

Volume

#

R0249

A-249
BOOK A-249

INDEX DIAGRAM.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____ }
day of _____, 189 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____ }
day of _____, 189 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____ }
day of _____, 189 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____ }
day of _____, 189 }



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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 189 }



INDEX DIAGRAM.

Township 20 S., Range 2 W.

102	102	101	100			
99 6	138 5	130 4	121 3	121 2	143 1	
138	137	129	120	145		
98 7	137 8	128 9	119 10	143 11		12
136	136	128	144			
98 18	135 17	127 16	144 16		14	13
135	134	126				
97 10	134 20	125 21	144 22		23	24
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PRELIMINARY OATHS OF ASSISTANTS.

WE, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chairman.

....., Chairman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners; according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 189 }



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Township 28 S., Range 1 W.

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155 6	351 5	4	3	2	1	
351						
160 7	8	9	10	11	12	
160	18	17	16	15	14	13
161	19	20	21	22	23	24
161	20	29	28	27	26	25
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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 189 }



BOOK A-249

INDEX DIAGRAM.

Township 27 S., Range 17 E.						
176	176	175		22	21	
174 6	201 5	192 4	203 3		2	1
200	200	191				
173 7	199 8	190 9		10	11	12
199	198	203				
173 18	197 17	203 16		15	14	13
197	196					
172 19	195 20		21	22	23	190 24
194	194			189	189	
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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____
day of _____, 1899 }



We, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 1899 }



We, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 1899 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 1899 }



INDEX DIAGRAM.

Township 26 S., Range 1 W.						
221	224	224	223			
218 6 259 5 249 4 242 3 263 2 278	258 249 241					1
218 7 258 8 248 9 241 10 263 11 277						12
257 257	257	248	240			
217 18 256 17 247 16 239 15 263 14 277						13
255 255	247	238				
216 19 254 20 246 21 238 22 263 23 277						24
253 253	245	237				
215 30 252 29 244 28 236 27 263 26 276						25
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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman.

, Chainman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this }
day of , 189 }



BOOK A-249

INDEX DIAGRAM.

Township 28 S., Range 2 W.						
289	290	292	291	290	290	
6	5	330	4	323	3	315
						2
						3 1/2
						1
		329		322		315
						311
7	8	328	9	322	10	314
						11
						310
						12
		336		328		313
						309
18	335	17	327	16	321	15
		335		327		320
						3 1/2
						307
						308
						339
289	19	334	20	326	21	319
						22
						306
						23
						339
						24
		333		326		318
						306
288	30	332	29	325	28	318
						27
						305
						26
						339
						25
		332		331		324
						317
						304
288	31	331	32	324	33	316
						34
						304
						35
						339
						36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, and do solemnly swear that we will well and faithfully execute the duties of chilmen; that we will level the earth, remove stones from the ground, and plumb the tally pins, either by striking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in surveying, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chairman.

....., Chairman.

Subscribed and sworn to before me this }
day of , 189 }



We, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 189 }



We, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 189 }



INDEX DIAGRAM.

Township	27 S			Range	2 W		
373	372	371	370	370	370	369	
367	421	422	404	397	390	1	
420	420	411	403	396	390		
366	419	410	402	396	389	12	
419	418	410	402	395	388		
366	418	409	401	394	388	13	
417	417	408	401	394	387		
365	416	407	400	393	386	24	
415	415	407	399	393	386		
364	414	406	399	392	385	25	
414	413	406	398	391	384		
364	413	405	398	391	384	36	

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 189 }



We and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 189 }



We and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

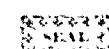
Subscribed and sworn to before me this }
day of , 189 }



I do solemnly swear that I will well and truly perform the duties of flagmen according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 189 }



INDEX DIAGRAM.

Township 26 S., Range 2 W.

6	5	4	467	3	459	2	451	1
		474	466		458		450	
7	483	8	474	9	466	10	458	11
							450	12
	482		473		465		457	
							449	
18	481	17	472	16	464	15	456	14
							448	13
	481		480		473		464	
							455	
							447	
433	10	479	20	471	21	463	22	455
							23	447
								24
	479		478		470		462	
							454	
							446	
433	30	477	20	469	28	461	27	453
							26	445
								25
	477		476		469		461	
							453	
							445	
432	31	475	22	468	33	460	34	452
							35	444
								36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chairman.

, Chairman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this }
day of , 189 }



BOOK A-249

INDEX DIAGRAM.

Township 30 S., Range 3 W.

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6	5	4	3	2	526	1 500
7	8	9	10	11	533	526
18	17	16	15	14	525	12 499
19	20	21	22	23	532	525
20	29	28	27	26	524	13 498
21			539	531	531	523
22			537			
23						
24						
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27						
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29						
30						
31	32	33	34	35	36	37 496
32						
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34						
35						
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37						

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 189 }
.....



We, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 189 }
.....



We, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 189 }
.....



I, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of V

....., Flagman.

Subscribed and sworn to before me this }
day of , 189 }
.....



BOOK A-249

INDEX DIAGRAM.

Township 30 S, Range 2 1/2 W.

		575	574	573	573	572
6		619	610	602	595	571
7		619	618	609	602	594
8		617	608	601	593	570
17		617	616	608	600	593
18		615	607	599	592	569
19		615	614	606	599	591
20		614	606	598	590	569
21		613	613	605	597	590
29		612	604	596	589	567
28		611	611	604	596	588
31		610	603	595	588	567
32		555	554	553	553	551

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman.

, Chainman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this }
day of , 189 }



BOOK A-249

INDEX DIAGRAM.

Township _____, *Range* _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman.

, Chainman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this }
day of , 189 }



BOOK A-249

INDEX DIAGRAM.

Township _____, Range _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	20	28	27	26	25
31	32	33	34	35	36

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 189 }



BOOK A-249

FIELD NOTES

OF THE SURVEY OF
PART OF THE

Sixth Standard Parallel South, Range
2. West.

Of the Salt Lake Based Meridian,

State of Utah

AS SURVEYED BY

John G. Greenleaf & Elwood L. Clegg, U. S. Deputy Surveyors

under their Contract No. 208, dated October 3d, 1876.

Survey commenced July 22nd, 1877.Survey completed July 23rd, 1877.Stand (Right) M. Ch. 66 -
2-75-80 ✓

Names and Duties of Assistants.

C. H. Morrison Chairman

Joseph Edwards Chairman

Chas. Bohmann Chairman

Alex. Moussoor Chairman

Thos. Bates Overman

Frank Zollig Overman

BOOK A-249

INDEX DIAGRAM.

SIXTH STANDARD PARALLEL SOUTH

Township 30 S., Range 27

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
20	29	28	27	26	25
31	32	33	34	35	36

SIXTH STANDARD PARALLEL S.

Meanders Page.....

Preliminary Oaths of Assistants.

WE, C. H. Morrison, Joseph Johnson, Chas. Bohman,
and Alex. Morrison,

solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain
over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will report
the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our
skill and ability, and in accordance with instructions given us in the survey of the Sixth Standard
Parallel South through Range 2 $\frac{3}{4}$ 1 $\frac{1}{2}$ West of the
Lake Basa & Grandeau, Etat

C. H. Morrison, Chainman.

Joseph Johnson, Chainman.

Chas. Bohman, Chainman.

Alex. Morrison, Chainman.

scribed and sworn to before me this 22nd }
day of July, 1897.

H. Van Martin

Notary Public.

WE, Thos. Bates Ed. Joseph Zollig

solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners and other
ties, according to instructions given us, and to the best of our skill and ability, in the survey of the Sixth
Standard Parallel South through Range 2 $\frac{3}{4}$
1 $\frac{1}{2}$ West of the Lake Basa & Grandeau, Etat

scribed and sworn to before me this 22nd }
day of July, 1897.

Thos. Bates Groundman
Joseph Zollig Axeman

H. Van Martin
Notary Public.

Sixth Standard Parallel South. Range 2. Nest.

Survey commenced July 22nd 1897, and executed with a light mountain transit with solar attachment, made by W. & J. G. Evelyn. The horizontal limb is provided with two opposite verniers, reading to $1'$ of arc, which is also the least count of the verniers of the latitude and declination arcs.

I begin at the Standard Corner to Secs 32 & 33. Township 30 South, Range 2 West, which is a sandstone $6 \times 10 \times 8$ ins. above ground, marked & witnessed as described by the Surveyor General. Latitude $38^{\circ} 09'$ N. Longitude $112^{\circ} 05' W.$

In order to test the solar apparatus, by comparing the results of observations on the sun, made during A.M. & P.M. hours, with a true meridian determined by observations on Polaris, I proceed as follows;

At $4^{\text{h}} 10^{\text{m}}$ P.M. L.M.T. I set-off $38^{\circ} 09'$ on the latitude arc; $20^{\circ} 06' N.$ on the decl. arc; and mark the true meridian thus determined with the solar by a cross on a stone firmly set in the ground, 5 chs. N. of the instrument.

At $11^{\text{h}} 25^{\text{m}}$ P.M. L.M.T. I observe Polaris at eastern elongation, in accordance with instructions in the Manual, and mark the line thus determined by a tack driven in a wooden plug set in the ground, 5:00 chs. north of my station.

July 23rd 1897

July 23 - At $6^{\text{h}} 30^{\text{m}}$ A.M. L.M.T. I lay off the azimuth of Polaris $1^{\circ} 34'$ to the west and mark the true meridian thus determined, by cutting a small groove in the stone set last evening, on which the true meridian falls 0.4 ins. west of the mark determined by the solar.

At $7^{\text{h}} 4^{\text{m}}$ A.M. L.M.T. I set-off $38^{\circ} 09'$ on the lat. arc; $19^{\circ} 57' N.$ on the decl. arc; and marks the true meridian determined by the solar, by a cross on the stone already set 5:00 chs. N. of my station; this mark falls 0.4 ins. west

South Standard Parallel, South Range 2, Mo.

Chains.

of the true meridian established by the Polaris observation.

The solar apparatus, by P.M. & A.M. observations, defines positions for true meridians about $0^{\circ}21'$ east & $0^{\circ}21'$ west of the meridian established by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8^h A.M. is N $14^{\circ}55'$ W. the angle thus determined, reduced by the Table, page 100, gives the mean mag. decl. $14^{\circ}35'$ E.

From the Standard Corner above described,

I run

West and S. bdy. See 32.

Ascend about 200 ft. in scattering cinders.

14.50 Point of ridge. bears S. E. descend.
23.80 Gulch 100 ft. deep. course S. E. ascend.
31.50 Point of ridge. bears S. E. descend 100 ft.
Difference between measurements of 14.00 chs. by two sets of chainmen is 10 chs. position of middle front.

By 1st set 39.95 chs.

By 2nd set 40.05 chs; the mean of which is
Set a lava rock. 20x12x10 ins. 15 min. in the ground. for standard. 1/4 Sec. Cor. marked S. C. 1/4 on N. face; and raise a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Its impracticable

44.00 Gulch about 100 ft. below top of ridge. course S. E. asc 700 ft.

40.50 Ridge. bears NW & S. E. des. 200 ft.
Mag. decl. at this point is 9° E.
Difference between measurements of 40.00 chs. by two sets of chainmen is 12 chs. position of middle front.

By 1st set is 79.95 chs.

By 2nd set is 80.06 chs. the mean of which is
Set a trachyte 18x16x12 ins. 12 ins. on the ground for Standard. Cor. of Sec. 31 1/2. Marked S. C. on N. with 5 grooves on E. & 1 groove on N. face from cinder.

Smith Standard Traveled South. New York & West. Continued.

Received 15 pds. in Adams. Being May 2, 1851 S. 2011
the bill marked T. & O. S. N. L. 2. M. S. 32. 10. T.
Regular 15 min. in Adams being 27 pds. or 201 lbs
the bill marked T. & O. S. N. L. 2. M. S. 31. 10. T.
Lands broken
drift gravelly & rocky, etc. etc.
broken, broken stone,
granite, broken stone.

Start in S. 100. etc. etc.

Second granite bed in drifts, broken
Adams stone 3. 2. 10. 10. about enough, about 100
lbs. broken.

Third of granite very light, same 3. 2. 10. enough
difference between amount of sand, etc. by
the rock of Adams is in this position of
middle point.

By 1st act broken etc.

4th act over the 3rd stone of which in
Adams. This amounts to no more than 100 lbs. in the
amount for Adams is the same as 3. 2. 10.
on highway from 100 lbs.

5th stone broken in Adams, same 3. 2. 10. 10. etc.
difference amount etc. in rock
etc. broken etc. broken stone same 3. 2. 10. 10. the
which amounts to 100 lbs. etc.

6th act broken etc.

7th act over you etc. the amount of which is
100 lbs. in Adams same as 3. 2. 10. 10. etc.
difference between amount of sand, etc. by
the rock of Adams is in this position of
middle point.

By 1st act broken etc.

8th act over you etc. the amount of which is
100 lbs. in Adams same as 3. 2. 10. 10. etc.
difference between amount of sand, etc. by
the rock of Adams is in this position of
middle point.

Sixth Standard Parallel S. Range 2. West Cont.

Chain	End broken.
	Soil - rocky & gravelly & soil.
	Timber - scattering cedar & pine.
	Mountainous land S.D. chain.
	July 25 - 1897
	From the Standard Cr. to Sec. 50 & 56, which is a flint - 6x12x6 in. above ground marked and witnessed as described by the Surveyor General of New
	East - on N. E. side. Sec. 56.
	Enter scattering cedar, ascend.
9.50	Gulch, compass N. 15° W.
21.00	Leave cedar.
23.00	Enter cedar & pine
	Difference between measurements of 40.00 chain, by two sets of chainmen, is 6 chs. position of middle point
	By 1 st set - 39.97 chs.
	By 2 nd set - 40.03 chs; the mean of which is
40.00	Set a trachyte 16x10x8 in. 11 mos. in the ground for Standard Cr. Sec. C. marked S. C. is on N. face; from which
	A pine 16 in. in diam. bears N. 62.55° E. 51 lbs. dist. marked S. C. N. 5. 13. T.
	A pine 14 in. in diam. bears N. 54. 45° E. 108 lbs. dist. marked S. C. N. 5. 13. T.
66.00	Ridge, bears N. 34. 15° E. descend gradually.
76.00	Leave cedar & pine.
	Difference between measurements of 80.00 chs. by two sets of chainmen is 4 chs; position of middle point
	By 1 st set - 80.02 chs.
	By 2 nd set - 79.98 chs. the mean of which is 80.00
	Set a trachyte 18x12x8 in. 12 mos. in the ground for temporary standard Cr. which on July 25 now has 429 chs & at
75.80	I make permanent and marked
	S. C. 8.0.5. on N.
	1. W. on E. end
	2. W. on W. faces; and 6 grooves on N. E. & N. W. faces, and raised a mound of stone 2 ft. base 14 ft. high N. of Cr. Site impracticable
	A cedar 12 in. on diam. bears N. 47. 55° W. 66 lbs. dist.

Sixth Standard Parallel S. Range 2 W. Continued

marked T. 30. S. R. 1. M. S. 51. 13. T.

No other bearing lines available.

Land, rolling,

Wet. Generally 6' elevation.

Timber, Cedars & Pines.

Mountainous land 7500 feet.

July 24th 1897.

Note: For General description see subdivisions
of T. 30 S. R. 2. M.

Spots of vegetation
Homer McElroy
U. S. Geologic Survey

Volume

#

R0249

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List of Names.

A list of the names of the individuals employed by
....., U. S. Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of the

..... Meridian, in , showing
the respective capacities in which they acted :

Final Oath of Assistants:

We hereby certify that we assisted
....., U. S. Deputy Surveyor, in surveying all
those parts or portions of the

..... Meridian,, as are represented in the
foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all
respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established,
according to the instructions furnished by the U. S. Surveyor General for

scribed and sworn to before me this }
day of , 18 }



39
Final Oath of U. S. Deputy Surveyor.

I, _____, U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions received from _____, U. S. Surveyor General for _____, bearing date of the _____ day of _____, 18_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for _____, the surveying manual, and the laws of the United States, surveyed all those parts or portions of _____

Meridian, in the _____, as are represented in the foregoing field notes as having been surveyed by me, and under my directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the U. S. Surveyor General for _____, and in the specific manner described in the field notes, and that the foregoing are the true field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

U. S. Deputy Surveyor.

Subscribed and sworn to before me this _____
day of _____, 18_____. } }



Approval.

Office of the U. S. Surveyor General,

Philadelphia, March 13, 1899.

The foregoing field notes of the survey of *the East Boundary of Quail Creek*
Platage 2 West of the Lake Erie Road & Grand River, Ill.

executed by *Jacob T. Bla*
under his Contract No. 101, dated *October 20th*, 1896, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob T. Bla
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

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BOOK A-249

FIELD NOTES

OF THE SURVEY OF

East West & North boundaries of T. 30 S. R. 2. W.

Of the *West Lake Base* Meridian,

State of Utah

AS SURVEYED BY

*J. J. Buckley & Thomas McCarty, United States Deputy Surveyors
thru*

Under his Contract No. 208, dated October 20th, 1896

Survey commenced July 25th, 1896

Survey completed July 28th, 1896

6-161

N. - Dist. - heights m. obs. -
N. " " 1-72.40'
E. " " 3-46.00' 10⁴⁴.40'

Cnty - N. Dist. 1-00-31,

Names and Duties of Assistants.

Nix Morris Chairman

C. T. Morris Chairman

Thomas Bates Axeman & Warden

T 305 - R. 2 W - 4-249

(45)

N- Bdry - high	M- Bdry - high	E Bdry - high
m. chs. bks -	m. chs. bks.	m. chs. bks -
78.40 ✓	1-00.00 ✓	46.00 ✓
1-00.00 ✓	72.40 ✓	1-00.00 ✓
1-00.00 ✓	<u>1-72.40</u>	1-00.00 ✓
1-07.60 ✓		<u>1-00.00 ✓</u>
		<u>3-46.00 ✓</u>
<u>5.06.00</u>		

Cart
Packing material
N- Bdry -
m. chs. bks - C
1- 00 31
✓

5.06.00
1.72.00
3 46.00
10.44.00

Preliminary Oaths of Assistants.

WE, Alex Morrison, C. H. Morrison, and Joseph Johnson & Chas. Bohman,
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist in
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of
C. G. & N. Bdy's S. S. R. 2. M. W. & N. Bdy's J. 27th 1861 R. 1. M. W. & N. Bdy's J. 27, 28 & 29th
R. 2. M. W. Bdy's J. 26th R. 1 1/2 M. E. & N. Bdy's J. 30. S. S. R. 3. M. E. & N. Bdy's J. 29, S. S. R. 2.
N. Bdy's J. 29th 30th R. 2. 2nd M. W. 30th J. 27th 28th 29th 30th M. 1861 Bdy's J. 28th 29th 30th of the
Seth Lake Bear Mountain Creek Alex Morrison, Chainman.

Subscribed and sworn to before me this 22nd day of January, 1871.

day of July, 1897,

SEAL

Subscribed and sworn to before me this 22
10

day of July, 1897.

WE, Thomas Balca and Joseph J. G. Dix
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners
and other duties, according to instructions given us, to the best of our skill and ability, in the survey of
S. W. N. H. Boly's S 300 ft. 3 M. W. E. S. W. Boly's S 273 ft. 8 R. 17. W. 14 R. 10 S. 1. 27. 28. 29. 30. R.
N. Boly's S 26. 1. R. 1. 2. 3. W. E. S. W. Boly's S 30. 1. R. 5. 1. R. 11. 1. 12. 1. 13. 1. 14. 1. 15. R. 1. N. H.
Boly's S 29. 1. 30. 1. R. 2. 1. W. B. Boly. S. 27. 0. 2. 5. 6. R. 2. 1. W. E. S. 27. 0. 2. 5. 6. R. 1. 2. 8. 1. R. 3. 1. W. of the
Half Mile Bank Grounds Etch.

Subscribed and sworn to before me this 22nd

day of July, 1894.

10

I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____.

Subscribed and sworn to before me this 1st day of January, 1871.

day of 189

SEAL

West boundary of T. 30 S. R. 2. W.

Chains.

- Survey commenced July 23rd 1897 with Parker Mountain transit with solar attachment. Subtill from the temporary Standard corner to T. 30. S. R. 2 2 1/2 N. 78' 11" I run North on a random line between Secs 31 & 36. Set temporary N. Sec. cor. Intersect the cor. to secs 25, 30, 31 & 36. which is a granite 6x10x4' mos. above ground. Marked & witnessed as described by the Surveyor General. Hence I now South on a true line between Secs 31 & 36. Sparsely scattering cedar 4' mos. descend. Gullies 50 ft. deep. course N.E. ascend Ridge. bears N.E. descend. Gullies 50 ft. deep. course N.E. ascend. Ridge. bears N.E. descend. Gullies 50 ft. deep. course N.E. ascend. Set a Trachyte 18x12x8' mos. 12' mos. in the ground for 1/4 Sec. Cor. Marked 1/4 on N. face; from which A cedar 18' mos. in diam. bears N. 61° 30' E. 44' ths dist. marked 1/4 S. 13. 1. A pine 10 mos. in diam. bears S. 70° W. 74' ths. dist. marked 1/4 S. 13. 1. Edge of ridge of mountain 400 ft. above Sec. Cor. bears N.W. & S.E. descend gradually. The temporary Standard Cor. to T. 30 S. R. 2 2 1/2 N. which I make permanent as described in Field Notes of sixth Standard Parallel boundary Land. broken. Soil. Rocky & gravelly. 3rd mato. Timber. Scattering Cedars & pines. Mountainous land 78.40 chains.

July 23rd 1897.

July 27, at 7th A.M. Com. G. I set off 58° 11' on the lat. arc; 19° 00' N. on the decl. arc; and determine a true meridian with the solar at the Cor. to Secs 19, 24, 25 & 30. which is a granite 12x12x12' mos. above ground, marked and witnessed as described by the Surveyor General.

Hence I now

West Boundary of 18150. S. 111° E. Continued.

Distance.	North between Sec 18 & 24. Jan. 14-50' E
	Ascend in mouth of gulch.
5.00	Clay bank 20 ft. wide, 2 ft. deep, varves 1/16".
8.00	Ascend, enter scattering talus & scree.
11.90	Point of ridge, 100 ft. high. bears S. W. sec end.
23.85	Gulch comes S. W. second
26.30	Point of ridge. bears S. W. sec end.
30.00	Gulch comes S. W. sec end
40.00	No trace of old meadow. Con. old limestone 18x10x6 in. 12 in. in the ground of talus. Con. marked in one W. face; from vehicle
	A cedar 18.5 in. in diam. bears N. E. 50' E. no the dist. marked T. 3. S. 18.7.
	A cedar 15.5 in. in diam. bears N. E. 50' E. no the dist. marked T. 3. S. 18.7.
45.50	Ridge. bears N. E. 50' E.
57.00	Point of ridge, bears N. E. sec end 11 ft.
72.70	Gulch. comes S. W. sec end
74.00	Point of ridge, bears N. W. sec end
76.50	Gulch. comes S. W. sec end
80.00	Set a limestone 18x12x10 in. 12 in. in the ground for con. to Sec 18. 18.5 ft. sec end & 20 ft. on S. and W. slopes; from vehicle
	A cedar 15.75 in. in diam. bears N. E. 50' E. no the dist. marked T. 3. S. 18.7. 2. N. S. 18.7.
	A pine 14.5 in. in diam. bears N. E. 50' E. no the dist. marked T. 3. S. 18.7. 2. N. S. 18.7.
	A small broken.
	Sail. Gneiss & rock, 5 ft. ab.
	Spotted rock 10 ft. ab.
	Marl 20 ft. ab. 80 diam.

North between Sec 18 & 18.

8.00	Ascend about 100 ft. in scattering talus & scree. Boulders 18 ft. S. W. sec end about 200 ft.
18.00	Gulch. comes S. W. sec end
26.80	Ridge. Bears N. W. S. E. sec end.
36.40	Gulch. 100 ft. deep. comes S. E. sec end.
40.00	Set a brachyte 18x10x10 in. 12 in. in the ground for 1/4 sec. Con. marked from W. face; from vehicle
	A pine 8 in. in diam. bears N. E. 50' E. 10 ft. dist.

West boundary of U.S.G.O. S.R. L.M. Continued.

	marked T. 5. 10. T.
	A pine 18 mm. in diam. bears N. 77° 40' W. 94° the dist. marked T. 5. 10. T.
50.00	Ridge. bears N. E. 3. N. 11. There along N. slope of ridge.
65.10	Point of ridge. bears N. declinat 200 ft.
80.00	Set a trachyte 24x16x4 mm. 1.8 cm. in the ground for cor. to Secs. 7. 12. 13. & 18. marked 4 matches on S. E. 1/4 rocklet on N. face, from which A pine 8 mm. in diam. bears N. 2° E. 5. The dist. marked T. 5. 5. R. 2. 17. S. 7. 10. T.
	A pine 10 mm. in diam. bears S. 65° E. 50' W. 92° the dist. marked T. 5. 5. R. 2. 17. S. 5. 18. 13. T.
	Land. broken.
	Soil. Gravelly & rocky, 3" thick.
	Timber. Scattering Cedars 3' pines.
	Mountainous land 80.00 acres.

North. Between Secs. 7 & 12.

	Entire scattering Cedars 3' pines. descend.
0.40	Cedars, coarse N. 1/4. There ascending along east side of stream.
40.00	Set a trachyte 18x14x10 mm. 1.2 cm. in the ground for cor. to Secs. 7. 12. 13. & 18. marked 4 matches on S. and 1 match on N. edge, from which A cedar 12 mm. in diam. bears N. 14° 13' E. 52° the dist. marked T. 5. 13. T.
	A cedar 12 mm. in diam. bears S. 22° 20' E. 40° the dist. marked T. 5. 13. T.
45.00	Very much so the middle, 20 ft. deep, coarse S. 97°.
80.00	Set a trachyte 24x12x8 mm. 1.8 cm. in the ground for cor. to Secs. 1. 6. 7. & 12. marked 5 matches on S. and 1 match on N. edge, from which A pine 10 mm. in diam. bears N. 37° 50' E. 44° the dist. marked T. 5. 5. R. 2. 17. S. 6. 13. T.
	A pine 23 mm. in diam. bears S. 4° E. 56° the dist. marked T. 5. 5. R. 2. 17. S. 7. 10. T.
	Land. broken.
	Soil. Gravelly & rocky, 3" thick.
	Timber. Scattering Cedars 3' pines.
	Mountainous land 80.00 acres.

West boundary of T. 3 N. R. 12 W. Cont.

Spins	North between elev. 510 center scattering Cedars 3 ft. mes. descended & walked Bottom of Canyon, course of N. ascend
10.10	Top of ridge 50 ft. high. bears E. descended
17.00	Same Canyon. course of E. ascend steep rocky slide.
40.00	Top of ridge 200 ft. high bears N. left a trench 18x14x10 ins. 12 ins. in the ground for cor. Co. marked now N. faces, and raised a mound of stone 2 ft. base, 1 ft. high N. of Cor. Pts. impracticable. leaves cedar 3 ft. mes. descended.
62.40	Same Canyon. course of N. ascend.
80.00	Set temporary cor. to Sps. 29 1/2 S. D. R. 2 1/2 N. which, on July 28, I established at set an observation stone 14x12x10 ins. grass on the ground for cor. to Sps. 29 1/2 S. D. R. 2 1/2 N. marked
87.60	29.5. on N.E. 2. W. on S.E. 30.5. on S.W. and 26. W. on N.W. faces; with 6 notches on each edge; and raised a mound of stone 2 ft. base, 1 ft. high S. of Cor. Pts. impracticable. Lands broken.
	Soil. Gravelly & rocky, 5-6 inches. Timber. scattering Cedars 3 ft. mes. Mountainous land 87.60 chains.

July 29, 1877.

North Boundary of T. 30 S. R. 2. W.

name

From the temporary Cor. to Lps 29⁸/30.
R. 2⁸/30 N.

I run

East on a random line along the N.
bdg. of T. 30. S. R. 2. W. setting temp.
1/4 sec. & sec. Cois at intervals of 40.00
of 80.00 chs. and at 152-40 chs. intesse
7.00 chs E. of the cor. to Secs 4. 5. 6. 32⁸/33.
which is a granite stone 8 x 14 x 14 in.
above ground, marked and witnessed
as described by the Surveyor General.
Hence I run

West on a true line bet. Secs 5 & 32.

Ascend steep ridge

17.00 Enter scattering cedars.

20.00 Top of ridge. bears N. E. & S. W. descend.
31.50 Ravine 200 ft. deep. comes S. E. ascend.
40.00 Set on iron stone 16 x 12 x 5 in. 11 in. in
the ground for 1/4 sec. Cor. marked 1/4 on
S. face; and raised a mound of stone
2 ft. base. 1 1/2 ft. high. W. of cor. Site
impracticable.

Enter scattering mahogany.

70.00 Leaves mahogany & cedar.

72.00 Top of mountain, 800 ft. above Sec. Cor.
Bears N. W. E. & S. E. descend gradually

80.00 Set on iron stone 14 x 8 x 8 in., 10 in.
in the ground for cor. to Secs 5. 6. 3. 32⁸/33.
marked 5 notches on E. & 1 notch on W.
edges; and raised a mound of stone
2 ft. base. 1 1/2 ft. high. W. of cor. Site
impracticable.

Land broken.

Soil. Gravelly & rocky 3rd rate.

Timber. Scattering cedar & mahogany.

Mountainous land 80 chs.
28.1877. At this cor. I set off 18.58 ft. on the decl. arc, and about
6 m. to observe the sun on the meridian, the resulting lat. is 3° 15'.

West on a true line bet. Secs 6. & 31.

Descend gradually along top of mountain

40.00 Set on iron stone 20 x 7 x 5 in. 13 in. in
the ground for 1/4 sec. Cor. marked 1/4 on W.

North boundary of T. 30. S. R. 2. W. continued.

Chains	face; and raised a mound of stone 2 ft. base, $\frac{1}{2}$ ft. high. N. of Cor. & the impracticable steep descent.
68.90	Canyon, come S. ascend.
- 72.40	Intersect T. 60 cho. N. of Camp. cor. to S. No. $29\frac{3}{4}^{\circ}$ S. R. $2\frac{3}{4}\frac{1}{2}$ W. which I destroy, and establish at point of intersection, as described in field notes of Street-boundary of T. 30. S. R. 2. W.

Land. rolling top of mountain.

Soil. Gravelly of Rocky. 4th mile.

No timber.

Mountainous land 72.40 cho

July 28th 1897.

East-boundary of T. 30. S. R. 2. M.

Chambers

From the temporary Standard Cor.
to T. 30. S. R. 2. M. setting temporary
1/4 sec. cor. at intervals of 400 chs.

I ran
North on a random line along the East-
bdg. of T. 30. S. R. 2. M. setting temporary
1/4 sec. cor. at intervals of 400 chs.
480.00 chs. and at 286. chs. intersect
420 chs. east of the 1/4 sec. cor. bet. sec's
13 & 18. which is a granite stone 6 x 11.
9 in. above ground, marked Mountain
as described by the Surveyor General.

July 24th 1897.

July 25th at 7^h 30^m A.M. I set
off 38° 12' on the lat. arc, 17° 53' N. on the
decl. arc, and determine a true meridian
with the solar. at the 1/4 sec. cor. bet. sec's
13 & 18. Variation 14° 50' E.

thence I ran

South on a true line bet. sec's 13 & 18.
Descent

0.25 Bottom of gulch. come S. W. ascend
along W. slope in scattering oaks.

27.50 Point of ridge. bears W. descend gradually
46.00 bet a brachylo 16 x 10 x 8 in. 11 in. in the
ground far cor. to sec's 13, 18, 19 & 24,
marked 3 matches on N. E. l. ridge; and
raised a mound of stone 2 ft. base,
16 ft. high. W. of cor. Pits numerous
and broken.

Soil. Gravelly & rocky. 3' slate.

Timber. Shifting Cedars.

Mountainous land 46. chs.

South on a true line bet. sec's 17 & 24.

Cross scattering cedars. descend gradually
16.00 Having come W. ascend.

28.00 Point of ridge. bears W. descend.

31.50 Gulch. come W. ascend.

45.00 bet a brachylo 16 x 10 x 8 in. 11 in. in the
ground of the sec. cor. marked 3 on N. face

East boundary of T. 30. S. R. 2. W. Continued

Diams	and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. pits impracticable.
46.5.0	Ridge. bears E. of N. descend 150 ft.
59.00	Gulch. course N. ascend 150 ft.
72.00	Ridge. bears E. of N. descend 100 ft.
77.00	Gulch. course N. N. ascend 6
80.00	Set a brachyte 16 x 10 x 8 in. 11 in. in the ground for cor. to sec 19. 24. 25 & 30. marked 4 notches on N. & 2 notches on S. edges; and raised a mound of stone 2 ft. base. 1 1/2 ft. high. W. of Cor. whenever 2 min 6 in. in diam. bears N. 38° 30' E. 21 deg. marked T. 30. S. R. 1. W. 5. 19. 24. T. 2 min 6 in. in diam. bears S. 69° E. 30 deg dist. marked T. 30. S. R. 1. W. 5. 30. 18. T. Land. Broken. Soil. Gravelly & rocky. 3 rd rate. Timber. Scattering Cedars. Mountainous land 80. chs.

	South on a thin line bet. Secs 25 & 30. Ascend in scattering Cedars & pines.
5.00	Ridge. bears E. of N. descend 350 ft.
24.00	Canyon. course N. 75° W. Wood road in bottom of Canyon, stone coarse, ascend
41.0.00	Set a granite 16 x 14 x 10 in. 11 in. in the ground. for 1/4 sec. Cor. marked 1/4 on N. face; and raised a mound of stone. 2 ft. base. 1 1/2 ft. high. W. of Cor. Pits impracticable.
59.00	Ridge. bears N. W. & S. E. descend.
68.0.0	Gulch. course N. N. ascend 250 ft. to
78.0.0	Ridge. bears N. W. & S. E. descend
80.00	Set a limestone 12 x 10 x 6 in. 8 in. in the ground for cor. to Secs 25. 30. 31 & 36. marked 5 notches on N. & 1 notch on S. edges; and raised a mound of stone 2 1/2 ft. base 1 1/2 ft. high. W. of Cor. Pits impracticable. Land. Broken. Soil. Gravelly & rocky. 3 rd rate. Timber. Scattering Cedars & pines.

East Boundary of T. 30. S. R. 2. W. Continued.

Chains.	Mountainous land 80 chs.
	South on a line line bet. decs 31 & 36. Descend in scattering Cedars & pines. Gulch, comes N. ascend.
23.00	
40.00	Set a trachyte 20x10x6 inns. 15 inns. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ m W. face; and raised a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high. N. of cor. whence a pine 8 inns. in diam. bears S $45^{\circ}8'50''$ dist. marked $\frac{1}{4}$. S. 31. 13. T.
	A pine 10 inns. in diam. bears S $30^{\circ}7'30''$ dist. marked $\frac{1}{4}$. S. 36. 13. T.
43.00	Ridge. Bears E. of N. descend gradually
80.00	Intersect the Sixth Standard Parallel S. at 4.20 chs. W. of the temporary Standard Cor. to T. 30. S. R. 2. W. which I destroy, and at front of intersection establish the Standard Cor. as described in field notes of the Sixth Standard Parallel S. R. 2. W. Land broken.
	Soil. Rocky & salt.
	Timber. Scattering Cedars & pines.
	Mountainous land 80 chs.
	July 26 th 1897.

Note; For General Description. see
subdivision of this township.

Boundaries of T. 30. S. R. 2. W.

Latitude: departures & closing errors

Line designated as	True bearing	Dist.	Latitude		Departure	
			North	South	East	West
Sixth Standard Parallel	East	475.80			475.80	
East boundary	North	486.00	486.00			
North boundary	West	392.40				392.40
North boundary	S $89^{\circ}7'W$	80.31		1.40		80.30
West boundary	South	483.20		483.20		57
Convergency			486.00	484.60	475.80	473.27
			484.60	475.27		
			1.40	2.65	57	49
			Error in lat.			

Boundaries of T. 30. S. R. 2. W.

John J. Bruckard
Leomin McCarty
U. S. Deputy Surveyors

Volume

#

R0249

North Bound of T. 30. S. R. 2. W.

From the cor. to secs 3.4.33 & 34. on N. side of
R.

I run

West on a meadow line bet. secs 4 & 33.

40.30 Ths 1/4 sec. cor. bears S. 70 deg. E. dist.

80.30 Ths cor. to secs 4.5.32 & 33. bears S. 40 deg.
dist:

The true course of this line therefore is
 $189^{\circ} 17'$ and the dist. 80.31 chs.

John J. Breckon
Homer M. Early
U. S. Deputy Surveyor

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Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____ showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____ base and _____ meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 _____

SEAL

Final Oath of United States Deputy Surveyor.

, United States Deputy Surveyor.

I, _____, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from United States Surveyor General for _____, bearing date _____, day of _____, 1809, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

of the _____, _____
and _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1840.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me this _____
day of _____, 1809.

XXXXXX
F.M.L.G.
XXXXXX

APPROVAL.

Office of the United States Surveyor General,

Washington, D.C. March 13, 1809

The foregoing field notes of the survey of the East Measy Line Boundary, Franklin Range & West of the Lake of the Woods and
Grenville, _____, _____

executed by _____, dated _____, 1809, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob J. Blain
Jacob J. Blain

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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R. J. B.

BOOK A-249

FIELD NOTES

OF THE SURVEY OF

Subdivision of N. 30 d. R. 2. W.Of the Salt Lake Bas^E Meridian,State of Utah.

AS SURVEYED BY

John Breckin & James McCarl, United States Deputy Surveyors
Under his Contract No. 208, dated Kristen 20", 1896Survey commenced July 26", 1896Survey completed July 29", 1896

6-151

S. S. high 12-52-521
 " low 1-22-161 ✓ 1-17-64
 change - 33-26 ✓

Contingent 11-14-87 ✓

Names and Duties of Assistants.

Alex Morrison Chairman

C. H. Morrison Chairman

Joseph Johnson Chairman

Chas. Bohman Chairman

Thomas Bates Axeman & Groundman

Joseph Zollig Axeman & Groundman

A-249

(69)

T-305-R2111-

Subs-

highs m. chs. lks.	low m. chs. lks.	clearings m. chs. lks.
78-30 ✓		1-90 ✓
55-00 ✓	22-20 ✓	3.70 ✓
78.60 ✓	79-96 ✓	5-00 ✓
1-00-00 ✓		3.00 ✓
79-50 ✓		
1-00-30 ✓		
1-00-00 ✓		
77-40 ✓		5.00 ✓
1-00-26 ✓		
1-00-00 ✓		7.06 ✓
75-42 ✓		
1-00-24 ✓		
1-07-50 ✓		7-60 ✓
12-52.52 ✓	1-22.16 ✓	33.26 ✓

Config-

m. chs. lks.-
1-02-01 ✓
1-01-65 ✓
1-01-40 ✓
1-01-45 ✓
1-01-21 ✓
1-01-82 ✓
1-02-02 ✓
1-02-00 ✓
1-00-00 ✓
1-01-40 ✓
79-91 ✓
11-14.87 ✓

\$14.50 (5)

Preliminary Oaths of Assistants.

We, the members of this crew, do solemnly swear that we will faithfully execute the duties of chainmen; that we will level the ground over which we travel, and plumb the tally pins, either by sticking or dropping the same; that we will set the true distance to all notable objects, and the true lengths of all lines that we assist in surveying; that we will do our duty according to the best of our skill and ability, and in accordance with instructions given us, in the survey of the public lands in the state of Oregon, within the boundaries of the town of Roseburg, in the county of Douglas, state of Oregon, and in accordance with the laws of the state of Oregon.

John Morrison, Chainman.

John Morrison, Chainman.

Subscribed and sworn to before me this day of January, 1897.

Joseph F. Johnson, Chainman.

Day of January, 1897.

George
G. M. G.
Gordon

Han, Martin,
Notary Public

We, the members of this crew, do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the public lands in the state of Oregon, within the boundaries of the town of Roseburg, in the county of Douglas, state of Oregon, and in accordance with the laws of the state of Oregon.

Thomas Bates, Moundman.

Charles Halligay, Moundman.

Subscribed and sworn to before me this day of January, 1897.

Han, Martin,
Notary Public

We, the members of this crew, do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the public lands in the state of Oregon, within the boundaries of the town of Roseburg, in the county of Douglas, state of Oregon, and in accordance with the laws of the state of Oregon.

Horatio Walker, Axeman.

Charles Halligay, Axeman.

Subscribed and sworn to before me this day of January, 1897.

Han, Martin,
Notary Public

I, do solemnly swear that I will well and truly perform the duties of flagman, according to instructions given me, to the best of my skill and ability, in the

Flagman.

Subscribed and sworn to before me this day of January, 1897.

Han, Martin,
Notary Public

George
G. M. G.
Gordon

Subdivisions of Ch. 30. & Ch. 2. M.

Survey commenced July 26th and
concluded with a Curly Mountain
transit with solar attachment and
Curly Surveyor transit also with
solar attachment. Total of instrument see Book "A"
From the Standard Div. to Secs 31 & 32
on S. edge of Ch. which I established
July 25th, 1894.

I have

North on a random line bet. Secs 31 & 32
40.00 S.E. boundary to Sec. Line.

78.50 Entered 2d cho OT. of Cor. to Secs 29.

50.51 & 52. which is a granite 6x14x8 in.
above ground marked & witnessed as
described by the Surveyor General.
Hence I have

Ch. 12 OT. on a true line bet. Secs 31 & 32
random continuing

18.50 Point of ridge. bears N. W. with scattered
cedars & pines, ascend.

20.80 Gulch 6.0 ft. deep. courses N. W. ascend.

27.40 Point of ridge. bears N. W. descend.

37.40 Gulch 4.0 ft. deep. courses N. W. descend.

38.50 Set a trachyte 16 x 22 x 8 in. 11 min. in
the scrubby forest. Sec. Cor. an hundred yards
W. face, and raised a mound of stones
2 ft. broad, 1/2 ft. high. OT. of Cor. This
impracticable.

48.50 Point of ridge. bears N. W. descend

57.00 Rocky gulch. 6.0 ft. deep. courses N. W.
ascend 40 ft. to

75.50 Top of ridge of mountain bears E. & N.
descend.

78.50 The Standard Div. to Secs 31 & 32.
Land broken.

Soil. gravelly & rocky & talus.

Timber. scattering cedar & pine.

Mountainous land 78.50 cho.

From the cor. to Secs 26, 26, 30 & 36, which is
a sandstone 9x9x8 in. above ground.

Subdivision of T. 30. S. R. 2. W. Continued.

Chains	marked & witnessed as described by the Surveyor General. I run.
40.00	East on a random line bet. Secs. 25 & 36. Set temporary 1/4 sec. cor.
77.20	Intersect C. body. of Sp. 1.90 chs. Naf Cor. to Secs. 25. 30. 61. & 36. I destroy all marks pertaining to Secs 25 & 36. and set a limestone 12x10x6 in. 8 in. in the ground for Closing Cor. to Secs 25 & 36. marked C.C. on W. with 1 groove on S. and 3 grooves on E. faces; from which A pine 6 in. in diam. bears S 49° 30' W 9 lbs. dist. marked T. 30. S. R. 2. or. S. 36. 18. T. A pine 5 in. in diam. bears N 20° 10' W 89 lbs dist. marked T. 30. S. R. 2. or. S. 25. 18. T. thence I run.
0.50	West on a true line bet. Secs. 25 & 36. Enter scattering cedar & pines. ascend Cross ridge. bearing N. W. & N. E. ascend S. slopes
23.50	Ridge. bears N. W. & S. E. descend
37.20	Set a lava rock 16x8x8 in. 11 in. in the ground. for 1/4 sec. cor. marked 1/4 in E. face; and raised a mound of stones 2 ft. base, 1 1/2 ft. high. W. of Cor. Pits impracticable.
53.50	A pine 13 in. in diam. bears N 84° 30' W 101 lbs dist. marked 1/4 S. 25. 18. T. No other bearing trees within limits.
77.20	Foot of mountain. leave cedar & pines. enter bench, descend gradually to the cor. to Secs 25. 26. 35 & 36.
850 ¹⁰ 30 ²⁰	Land. rolling. Soil. Gravelly & rocky. 1/2 slate. Timber. scattering cedar & pines. Mountainous land 55:00 chs.
X	From the cor. to Secs 25. 26. 35 & 36, which is a sandstone 20x20x10 in. above ground. marked & witnessed as described

Subdivision of T. 30. S. R. 2. W. Continued

claims.

by the Surveyor General.

I run

East on a random line bet. Secs 24 & 25.

\$10.00 Det - temporary $\frac{1}{4}$ sec. cor.

78.60 Intercept the E. edge. of Sp. 3.70 chs. N of
the cor. to Secs 19 & 24. 2.5 $\frac{1}{4}$ sec. I destroy
marks pertaining to Secs 24 & 25 and
set a trachyte 16x10x7 in. 11 in. in the
ground, for Closing Corner to Secs 24 & 25
marked C.C. on W. face, with 2.91

on E. $\frac{1}{4}$ in grooves on W. faces; from whi.
A fine 6 in. in diam. bears S 24° W 10° as
dist. marked T. 30. S. R. 2. W. S. 25. B. T.

A fine 6 in. in diam. bears N 66° 30' W
57 lbs. dist. marked T. 30. S. R. 2. W. S. 24. B.
thence I run

West on a true line bet. Secs 24 & 25.

Enter scattering Cedars & pines. descent,
5.00 Ravine. course N. W. descend along N.
slope of ridge

\$10.00 Same ravine. course S. W. leave cedars
& pines. ascend.

38.60 Det - a trachyte 16x7x6 in. 11 in. in
the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ sec.
W. face; and raised a mound of stone
2 ft. base, 1.5 ft. high. N. of cor. Pits
impracticable.

Descent gradually

74.00 Same ravine. course N. W. ascend to

- 78.60 The cor. to secs 23. 24. 25 & 26.

Land. Broken.

Soil. Granular & rocky & shale.

Scattering Cedars & pines.

Mountainous land 78.60 chs.

From the cor. to Secs 13. 14. 23 & 24, which
is a sandstone 10x10x10 in. above ground
marked and numbered as described by
the Surveyor General.

I run

East on a random line bet. Secs 13 & 24

Subdivisions of T. 30. S. R. 2. W. Continued.

Chains 40.00	Set temporary $\frac{1}{4}$ Sec. Cor. Intersect E. side of Sp. 5:00 chs. N of the Cor. to Secs 13, 18, 19 & 24. I destroy all marks pertaining to Secs 13 & 24, and set a trachyte 14 x 8 x 6 mis. 10 mis. in the ground for closing Cor. to Secs 13 & 24. marked C.C. on W. with 3 grooves on N. & S. faces; from which A cedar 10 mis. in diam. bears 82° 30' N 59 lbs dist.: marked T. 30. S. R. 2. W. S. 24. B.T. A pine 12 mis. in diam. bears 95° 10' N 111 lbs dist.: marked T. 30. S. R. 2. W. S. 13. B.T. Then I run
79.96	West on a true line bet. Secs 13 & 24 descend gradually in scattering cedars & pines.
23.00	Gulch. course N. W. ascend gradually over broken foot-hills. leave cedars and pines
39.96	Set a sandstone 16 x 10 x 6 mis. 11 mis. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stones 2 ft. bas., 1 $\frac{1}{2}$ ft. high. N. of Cor. Pit impracticable.
41.00	Point of ridge, falls N. E. descend gradually
79.96	The cor. to Secs 13, 14, 23 & 24 Land. broken. foot-hills. Soil. Gravelly & rocky & gravel. Timber. Scattering cedars & pines.
July 26 th 1897	
	From the cor. to Secs 19, 20, 24 & 30. which is an iron stone 6 x 16 x 6 mis. above ground marked $\frac{1}{4}$ and run as described by the Surveyor General.
	I run S. 0° 05' W. bet. Secs 19 & 20.
	Contin scattering cedars, ascend.
26.50	Head of gulch. course S. W. ascend
40.00	Set a trachyte 18 x 8 x 6 mis. 12 mis. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face; from which A pine 9 mis. in diam. bears 62° 30' N 45 lbs

Subdivisions of T. 30. S. F. 2. M. Continued.

Chorus	dist. marked $\frac{1}{4}$ S. B.T. A pine 8 in. in diam. bears #24, 15, 17, 15-blks dist. marked $\frac{1}{4}$ S. B.T.
40.00	Ridge 400 ft. above Sec. Cor. bears N. E. $\frac{1}{2}$ S. W. ascend along steep hillside.
60.00	Foot of bluff 50 ft. high.
61.00	Top of bluff bears E. $\frac{1}{2}$ W. descend 400 ft.
74.50	Gulch. courses S. 57° W. ascend
80.00	Set a trachyte 18x10x6 in. 12 in. in the ground for cor. to Secs 17, 18, 19, 1/20. marked 3 notches on S. E. & 5 notches on E. edges; and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pits impracticable. End. broken.
	Soil. Rocky, 1/4 slate.
	Timber. Bitterroot Cedar & pines.
	Miscellaneous found 80. chs.
	East on a sandstone line bet. Secs 17 & 20
10.00	Set temporary 1/4 Sec. Cor.
79.50	Entered N. E. line 5.00 chs. 110 ft. from. to Secs 16, 17, 20 & 21. which is a sandstone 8x14x 10 in. above ground rounded and whitened as described by the Surveyor General. I destroy all marks pertaining to Secs 17 & 20 Set a trachyte 14x10x6 in. 10 in. in the ground for Chorus Cor. to Secs 17 & 20. marked C.C. on N. with 3 grooves on S. E. 4 grooves on E. faces; and raised a mound of stone 2 ft. base 1 ft. high. N. of Cor. Pits impracticable.
	Chorus I am
	West on a true line bet. Secs 17 & 20.
	Ascend gradually
14.00	Gulch 60 ft. deep courses S. E. from N. ascend in gulch.
31.00	Leave gulch.
39.50	Set a trachyte 18x10x6 in. 12 in. in the ground for 1/4 Sec. Cor. marked $\frac{1}{4}$ on N. face, impracticable a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pits impracticable.

Subdivision of C. L. S. & S. N. L. W. Continued

Chains	Enter Scattering Cedars.
46.00	Ridge 500 ft. above Sec. Cor. bears N. E. E. descend 400 ft.
61.00	Ravine. course S. W. 3 chs. thence S. W.
66.00	Point of ridge. falls N. descend.
72.00	Same ravine. course S. W. ascend to
79.50	The cor. to Secs 17, 18, 19 & 20. Land. Broken. Soil. Gravelly & rocky & slate. Timber. Scattering Cedars. Mountainous land 79.50 chs..
	West on a random line bet. Secs 18 & 19.
80.00	Set compasses 5 sec. cor.
80.30	Intersect N. side. of Th. 47 ths N. of Cor. to Secs 16, 18, 19 & 20.
	Thence I ran
	189° 40' E. on a true line bet. Secs 18 & 19.
	Enter scattering Cedars & pines. descend 500 ft.
3.00	Gulch. course S. W.
4.00	Leave gulch. ascend.
11.50	Ridge 150 ft. high. bears N. E. N. S. W. descend.
29.50	Ravine. course S. W. ascend.
40.30	Set a Sandstone 16 x 14 x 12 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; from which A pine 12 in. in diam. bears S. 21° 40' E 2 1/2 chs dist. marked 1/4. S. 18. T.
	A pine 15 in. in diam. bears S. 107° 18' E dist. marked 1/4. S. 10. T.
55.00	Ridge. bears N. E. S. descend.
62.75	Ravine. course S. ascend.
63.00	Ridge. bears N. E. S. S. W. descend to
80.30	The cor. to Secs 17, 18, 19 & 20. Land. broken. Soil. Gravelly & rocky & slate. Timber. Scattering Cedars & pines. Mountainous land 80.30 chs.

July 28. 21-4th P.M. l.m.t. I set off 38° 11' on the lat. arc.
18° 47' M. on the decl. arc; and determine a transmutation
with the solar, at the cor. to Secs 17, 18, 19 & 20.

Subdivision of C. 30 S. R. 2. W. Continued

- names
 70.00 N bel. Seco 17 $\frac{3}{4}$ 18.
 Enter scattering cedars & pines, ascend.
 17.00 Head of gulch comes S. E. from N.
 21.00 Scans gulch, from W. W. to S.
 40.00 Set a trachyte 14 x 12 x 5 ins. 9 ins. in the
 ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N.
 face; from which
 A cedar 12 ins. in diam. bears $180^{\circ} 15' N$
 dist. marked $\frac{1}{4}$ S. B.T.
 A cedar 14 ins. in diam. bears $154^{\circ} 15' N$
 52 chs dist. marked $\frac{1}{4}$ S. B.T.
 71.75 Foot of bluff 70 ft. high, bears E $\frac{1}{2}$ N.
 ascend.
 75.00 Top of mountain, bears W. W. $\frac{1}{2}$ S. E. dep
 80.00 Set a trachyte 18 x 14 x 6 ins. 12 ins. in the
 ground for cor. to Seco 7. 8. 17 $\frac{3}{4}$ 18. marked
 4 notches on N. & 5 notches on E. edges; from
 1 pine 8 ins. in diam. bears $173^{\circ} 30' S$
 dist. marked T. 30. S. R. 2. W. 5. 8. B. T.
 A pine 6 ins. in diam. bears $178^{\circ} E. 61$ chs
 dist. marked T. 30. S. R. 2. W. 5. 17. B. T.
 A pine 8 ins. in diam. bears $181^{\circ} 15' W$ 1 chs
 dist. marked T. 30. S. R. 2. W. 5. 18. B. T.
 Land broken.
 Soil. Rocky, $\frac{1}{2}$ the auto.
 Timber. A scattering Cedar & pine.
 Broomlaious land 80 ins.

" " "

July 29. At the cor. to Seco 7. 8. 17 $\frac{3}{4}$ 18.
 I set off $18^{\circ} 34'$ N. on the decl. arc; and
 at 12 $\frac{1}{2}$ m. observe the sun on the meridian
 the resulting lat. is $38^{\circ} 12' N$
 Since I run

East on a random line bel. Seco 8 $\frac{3}{4}$ 17.

- 40.00 Set temporary $\frac{1}{4}$ sec. cor
 77.40 Intersect 6th S. line 5.00 chs. S. 15 $^{\circ}$ E. Cor. to
 Seco 9. 8. 17 $\frac{3}{4}$ 16. which is a sandstone 6 x
 10 x 9 ins. above ground, marked and
 introduced as described by the Surveyor

Subdivision of C. S. S. F. I. V. Continued.

Cham.	<p>Fernal. I destroy all marks pertaining to Secs 8 & 17, and set a sandstone 16x11x7 in. 11 in. in the ground for closing Cor. to Secs 8 & 17, marked C.C. on W. with 4 grooves on S. & 4 grooves on E. faces, and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pits impracticable.</p> <p>Thence I run</p> <p>West on a true line bet. Secs 8 & 17.</p> <p>Enter scattering cedars & pines, ascend gradually</p>
37.40	<p>Set a brachyte 16x10x8 in. 11 in. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pits impracticable.</p>
77.40	<p>The cor. to Secs 7. 8. 17 & 18.</p> <p>Land, rolling.</p> <p>Sail. Gravelly $\frac{1}{2}$ crossing, gravelly.</p> <p>Timber. Scattering cedars & pines.</p> <p>Mountainous land 77.40 obs.</p>
	<hr/> <p>N 89° 40' W. on a random line bet. Secs 7 & 18.</p>
40.00	<p>Set temporary $\frac{1}{4}$ Sec. Cor.</p>
80.26	<p>Intersect W. bdy. of Lp. at cor. to Secs 7. 12. 13 & 18.</p> <p>Thence I run</p>
	<p>N 89° 40' E. on a true line bet. Secs 7 & 18.</p> <p>Enter cedars & pines, ascend gradually</p>
3.00	<p>Bottom of gulch, course N. W. front E.</p>
12.20	<p>Leave gulch, from N. E. to W.</p>
40.26	<p>Set a brachyte 18x14x8 in. 12 in. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, and raised a mound of stone 2 ft. base, 1 ft. high N. of Cor. Pits impracticable.</p>
64.00	<p>Top of mountain, bears N. W. & S. E.</p> <p>descend to</p>
80.26	<p>The cor. to Secs 7. 8. 17 & 18</p>

Subdivision J. S. S. R. Z. W. Continued.

rainy
 Land. broken.
 Soil. Rocky, $\frac{1}{4}$ to soft.
 Timber. Scattered cedar & pine.
 Mountainous land 88-26 chs.

10°.05' N. Lat. Secs 7 & 8.

Outer cedars & pines. ascend gradually
 25.00 Top of ascent. descend rapidly
 30.00 Canyon 200 ft. deep. courses N.E. as
 40.00 Det. a trachyte 14 x 12 x 8 ins. 9 ins. in the
 ground for $\frac{1}{4}$ dec. Cor. marked $\frac{1}{4}$ on N.
 face; from which

A cedar 14 ins. in diam. bears $S 45^{\circ} E 38'$
 dist. marked $\frac{1}{4}$ S. B. T.

A pine 12 ins. in diam. bears $S 15^{\circ} W 21'$
 dist. marked $\frac{1}{4}$ S. B. T.

45.00 Ridge. bears $N. W. \frac{1}{4} N. E.$ descend

57.00 Ravine 150 ft. deep. courses E. ascend.

66.00 Ridge. bears $E \frac{1}{4} N.$ descend.

73.00 Ravine. courses E. ascend.

- 80.00 Det. a trachyte 16 x 12 x 6 ins. 11 ins. in
 the ground for cor. to Secs 5-6-7 & 8.

marked S. notches on S. E. edges; from
 which

A pine 6 ins. in diam. bears $S 46^{\circ} 15' E 24'$
 dist. marked T. 50. S. 17. 2. 77. S. 5. 10. T.

A pine 15 ins. in diam. bears $S 2^{\circ} 30' E 90'$
 dist. marked T. 50. S. 17. 2. 77. S. 5. 13. T.

A pine 18 ins. in diam. bears $S 68^{\circ} 50' W 33'$
 dist. marked T. 50. S. 17. 2. 77. S. 7. B. T.

A pine 6 ins. in diam. bears $S 58^{\circ} 20' W 22'$
 dist. marked T. 50. S. 17. 2. 77. S. 6. B. T.

Land. broken.

Soil. Rocky $\frac{1}{4}$ to soft.

Timber. Cedar & pine.

Mountainous land 88. chs.

ast. on a random line bet. Secs 5-8.

40.00 Det. temporary $\frac{1}{4}$ sec. Cor.

75.42 Intersect R. & L. lines 7.06 chs. S. 75.8' off cor. to
 Secs 4. 5. 8 & 7. which is a sandstone 7710

Subdivision of C. 30. S. R. 2. W. *Continued*

Chains.	<p>x9 ins. above ground, marked & timbered as described by the Surveyor General. I destroy all marks pertaining to Secs 5-8 & 10 and</p> <p>Set-a trachyte 18x12x10 ins. 12 ins. in the ground for Closing Cor. to Secs 5-8 & 10 marked C.C. on N. with 5 grooves on S & 4 grooves on E faces, from which a cedar 10 ins. in diam. bears S. 42° 5' W. 67 lks. dist. marked T. 30. 5. R. 2. W. 5. 8. B. T.</p> <p>A cedar 10 ins. in diam. bears N. 85° W. 5-3 lks. dist. marked T. 30. 5. R. 2. W. 5. 5. B. T.</p> <p>W. Hodges house bears S. 10° 30' W. about 35 chains.</p> <p>Thence I run</p> <p>West - on a tree line bel. Secs 5-8. Descent in scattering cedar & pine.</p> <p>5.90 Head bears N. W. E. S. E. in gulch. course 8. ascend.</p> <p>7.50 ascend.</p> <p>35.42 Set-a Granite 16x12x8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, from which</p> <p>A pine 12 ins. in diam. bears N. 48° E. 60 lks. dist. marked 1/4. 5. 6. 7. B. T.</p> <p>A pine 15 ins. in diam. bears S. 87° W. 75 lks. dist. marked 1/4. 5. 8. B. T.</p> <p>45.50 Point of rocky ridge. bears S. E. descend.</p> <p>57.25 Rocky gulch. course S. E. ascend to</p> <p>- 75.42 Thl cor. to Secs 5-6. 7. 8.</p> <p>Land broken.</p> <p>Soil. Rocky. 4 to 6 in.</p> <p>Timber. Scattering cedars & pines.</p> <p>MOUNTAINOUS LAND 85-42 chs.</p> <p>S. 89° 40' W. on a random line bel. Secs 6 & 7.</p> <p>40.00 Set temporary 1/4 Sec. Cor.</p> <p>80.24 Entered W. side of 1st 3 shds of cor. to Secs 1. 6. 7. 8 & 12.</p> <p>Thence I run</p> <p>N. 89° 41' E. on a tree line bel. Secs 6 & 7.</p> <p>Ascend in scattering cedars & pines.</p>
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Subdivision of T. 30. S. R. 2. W. Continued.

Chain.	
27.00	Top of step, ^{ascent} 350 ft. above sec. cor. ascend gradually to
38.00	Top of ridge, bears N. E. & S. W. enter mahogany descend.
40.24	Set-a iron stone 20x9x5 ins. 15 ins in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, from which A mahogany 8 ins. in diam. bears N. S. S. W. 79 chs. dist. marked $\frac{1}{4}$ S. Y. 13. T.
	A mahogany 6 ins. in diam. bears N. S. S. W. 75 chs. dist. marked $\frac{1}{4}$ S. 6. B. T.
45.00	Leave mahogany. ascend S. slope of mountain
51.50	Ridge. bears E. & W. descend 50-0 ft. to
55.24	The cor. to secos 5-6. Y. 7/8 Land. broken. Soil. rocky & brittle. Timber. Ch. thinnest 30-40 ft. tall of Mahogany. Mountainous Land 80-24 chs.

50°.03' W. on a random line bet. secos 5 & 6.

40.00 Set temporary by sec. cor.

57.50 Intercept N. W. by of sp. 7.60 chs. E. of cor. to
secos 5-6. 31 $\frac{1}{2}$ sec. I clearing all snags
pertaining to secos 5 & 6. and
Set-a granite 16 x 11 x 7 ins. 11 min. in the
ground of a clearing. Cor. to secos 5 & 6.
marked C.C. on E. with 1 snags on W.
 $\frac{3}{5}$ grooves on E. faces, and raised on
ground of stone 2 ft. base, 1/4 ft. high. S.
of Cor. Pile impracticable.
Chimney from

50°.03' E. bet. secos 5 & 6.

Ascend 20 ft.

0.50 Top of ridge. bears N. W. E. & S. S. W. descend
6.00 Enter mahogany.
16.2 Leave mahogany.
23.50 Ravine. course E. ascend 125 ft.
30.00 Top of ascent descend gradually over
flat-top of ridge. bears N. W. E. & S. S. W.
40.00 Descend rapidly.

Subdivision of T. 30 S. R. 2 W. Com.

Chains 47.50	Set a sandstone 16 x 10 x 5 ins. 11 in. under ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on. Off from and raised a mound of stones off base $1\frac{1}{2}$ ft. high. N. of Cor. It is impracticable. Left of bluff 20 ft. high. descend
50.20	Ravine. comes S. E. ascend 23 or 24 ft. in cedar spruce
56.50	Point of ridge. bears S. E. descend 6 ft.
78.00	The cor. to Secs. 5, 6, 7 & 8.
87.50	Land broken. Soil: Gravelly & rocky & slate. Timber: Cedar, pine & Mahogany. Mountainous land 87.50 chs.

July 29" 1897

General Description.

The land embraced in our Survey on this township is all mountainous. Covered with scrub cedar, pine & mahogany unfit for agriculture, but good grazing land.

The rocks in place are mostly trachyte. There is no mineral in the township.

The East Fork of Lewis River runs North westerly through the the south western part of Otter Creek runs southerly through the eastern part of the township. W. Hodges has a house, stable and other improvements in the N.E. sec. 8 & W. NW sec. 9.

There are no other settlers or improvements on the land embraced in our survey. Latitude & meridian observations taken daily whenever possible.

John J. Breckinridge
Comer M. Coates
U. S. Deputy Surveyor.

Treasury
Subdivision of T. & S. S. R. L. Co.

now the standard Cor. to Secs 55 &
56. on S. side of rd.
I run

North on a blank line bet. Secs 55 & 56
41.00 Ths $\frac{1}{4}$ sec. cor. bears N. 70 deg. dist.
82.00 Ths cor. to Secs 25-26. 80 & 1/2 56. bears N.
1.43 chs. the true course of this line
is therefore N 70° W. length of line 82.01 chs

N 70° W. on a resurvey line bet. Secs
25 & 26.

40.80 Ths $\frac{1}{4}$ sec. cor. on line.
81.65 Ths cor. to Secs 23-24. 25 & 1/2 26.

N 70° W. on a resurvey line bet. Secs
23 & 24.

40.00 No trace of old $\frac{1}{4}$ sec. cor.
81.40 Ths cor. to Secs 13-14. 23 & 1/2 24.

N 70° W. on a resurvey line bet. Secs 13 & 14.

40.60 Ths $\frac{1}{4}$ sec. cor. bears N. 10 deg. dist.
81.45 Ths cor. to Secs 11-12. 13 & 1/2 14.

From the cor. to Secs 19-20. 23 & 1/2 20

I run

East on a blank line bet. Secs 20 & 21.
No trace of old cor.
Intersect N 70° E. line 1.42 chs. S. of cor.
to Secs 20-21. 23 & 1/2 21.

The true course of this line would therefore
be N 70° W. length of line is 81.81 chs

North on a blank line bet. Secs 20 & 21.

Ths $\frac{1}{4}$ sec. cor. bears N. 72 deg. dist.

Intersect 16 $\frac{1}{2}$ chs E. of cor. to Secs 16-17.
20 & 1/2 21. The true course of this line
would therefore be N 70° W. length of line
is 81.82 chs

Resurvey of
Subdivision of V. 30. S. R. 2. W. Continued.

	South on the blanks line bet. Secs 16 & 17. No trace of old corner. Entered 179. the E. of cor. to Secs 8. 9. 16 & 17. The true course of this line would therefore be 41° 15' W. Strength of line is 82.02 ft.
40.00	W 11° 15' W. on a running line bet. Secs 8 & 19. No trace of old corner. The cor. to Secs 4. 5. 8 & 19.
10.00	N 2° 00' W. on a running line bet. Secs 4 & 5. to flag at cor. to Secs 4. 5. 32 & 33. No trace of old cor.
80.00	The cor. to Secs 4. 5. 32 & 33.
	East. on a running line bet. Secs 12 & 16. The 1/4 sec. cor. bears S 10° E. dist. The cor. to Secs 7. 12. 13 & 18. bears N 20° E. dist. The true course of this line is therefore N 84° 57' W. and the dist. 81. 40 chs.
38.70	East. on a running line bet. Secs 2 & 32. The 1/4 sec. cor. bears N 65° E. dist. The cor. to Secs 28. 29. 32 & 33. bears N 14° E. dist. The true course of this line would, therefore, be S 80° W. and the dist. 79. 41 chs.

*John J. P. Jackson
J. Conner McGeary
V. d. Deafinity Surveyors*

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Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

_____, of the _____ base and _____ meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 _____ }



Final Oath of United States Deputy Surveyor.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

of the _____ base and _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me this _____ day of _____, 189_____.

○○○○○
O SEAL O
○○○○○

APPROVAL.

Office of the United States Surveyor General,

Salt Lake City, Utah, March 13, 1899.

The foregoing field notes of the survey of The subdivision of Township No. 3 S.
N. 3 W. off the Salt Lake Base Meridian, Utah.

executed by Jacob T. Blaine, of Honorable Character
under his contract No. 208, dated Feb. 20th, 1896, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob T. Blaine
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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Xo. 3. B.

BOOK A-249

FIELD NOTES

OF THE SURVEY OF

West & North boundaries of T 29 S. R 17Z. M.Of the Salt Lake ~~100~~ Meridian,State of Idaho

AS SURVEYED BY

W. H. Breckinridge & Thomas McEarly, United States Deputy SurveyorsUnder ~~this~~ Contract No. 208, dated October 20th, 1896Survey commenced July 29th, 1897Survey completed July 31st, 1897

6-151

W. Dwyer high m. chd 110-
 6-14-40
 N - " " 4-62-35

10-76-75

Cordy - E. Dwyer 6-12-30

Names and Duties of Assistants.

Alex. Morrison Chairman

C. H. Morrison Chairman

Thomas Bates Examiner & Groundman

For preliminary affidavits see Book "B"

INDEX DIAGRAM.

Township _____, *Range* _____

6	5	4	3	2	1
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19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page _____

Preliminary Oaths of Assistants.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____
day of _____, 189 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 189 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 189 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 }



West boundary of C. 2d. S. R. 2. W.

Sunrise commenced July 29th 1897, and executed with a G. B. & H. mountain transit with solar attachment.

I examine the adjustments of the transit and correct the level and collimation errors; then to test the solar apparatus by comparing its indications, resulting from solar observations made during A.M. & P.M. hours, with a true meridian determined by observations on Polaris. I proceed as follows:

July 29. At the cor. to Lts 24 & 30 S. R. 2 & 2^{1/2} W. which I established July 28th lat: $38^{\circ}15'46''$. long: $112^{\circ}57'44''$. I set off $38^{\circ}15'44''$ on the lat. arc; $18^{\circ}52'44''$ on the decl. arc; determine with the solar a true meridian and mark a point thereof on a stone set firmly in the ground 5: chs. E. of the Cor. at $3^{\circ}30'44''$ pm

$21^{\circ}10'54'' - P. M.$ with C. I. observe Polaris at certain conjunction, in accordance with manual of instructions, and mark a point on the true line determined on a peg driven in the ground 5: chs. E. of my station.

July 29th 1897.

July 30th At 6:00^{am} A.M. I lay off the azimuth of Polaris $1^{\circ}35'$ to the west and mark the true meridian line determined by cutting a small groove in the stone already 29th on which the true meridian falls 0.3 ms. west of the mark determined by the solar.

$21^{\circ}6'55'' - A. M.$ I set off $38^{\circ}15'44''$ on the lat. arc; $18^{\circ}52'44''$ on the decl. arc; and mark a point in the true meridian determined with the solar, by a cross on the stone already set 5:00 chs. E. of my station, this mark falls 0.3 ms. west of the true meridian established by the Polaris observation.

West boundary of C. & G. S. R. R. W. Continued.

Chromo.	The solar apparatus by P.M. V.A. M. observations defines positions for true meridians respectively about $0^{\circ}16'$ east and $0^{\circ}16'$ west of the true meridian established by the Polaris observation. Therefore, I conclude the adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian at $7^{\text{h}}10^{\text{m}}$ A.M. is $0^{\circ}15^{\circ}06' \text{ N}$. The angle thus determined, reduced by the table, Page 100, gives the mean Mag. decl. $15^{\circ}00' \text{ E.}$
	I begin at the cor. above described and run North bel. Sec. 31 $\frac{1}{4}$ S. 36. Ascend 200 ft.
18.00	Ridge. bears E. $\frac{1}{4}$ W. descend
40.00	Set a sandstone $1.8 \times 1.2 \times 6$ ins. 12 ins. on the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ $\frac{1}{2}$ W. face; and raised a mound of stone 2 ft. base. 1 ft. high. W. of Cor. Pilis impracticable.
50.40	Head of ravine. course S. E. ascend
80.00	Set a trachyte $1.6 \times 1.0 \times 6$ ins. 12 ins. on the ground for cor. to Sec. 25-30-31 $\frac{1}{4}$ S. 36. marked 1 notch on S. $\frac{1}{4}$ 5 notches on N. edges; and raised a mound of stone 2 ft. base. 1 ft. high. W. of Cor. Pilis impracticable.
	Sand. rolling top of Mountain. Soil. gravelly & rocky 3 rd rate. No timber. Mountainous land. 80 chs.
	North bel. Sec. 25 $\frac{1}{4}$ S. 30. Ascend gradually
8.40	Ridge. bears N. W. $\frac{1}{4}$ S. E. descend in scattering aspens.
16.40	Leave aspens.
27.40	Head of gulch. course S. E. ascend
34.90	Ridge. bears N. E. $\frac{1}{4}$ S. W. trees on flat top.

West boundary of T. 29 S. R. 2 W. Continued.

Chains. 40.00	Set - a sandstone $14 \times 10 \times 6$ in. 10 in. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base. 1 ft. high. W. of Cor. Pits impracticable.
53.40	Entire scattering aspens.
65.40	Lean aspens.
80.00	Set - a limestone $14 \times 8 \times 5$ in. 10 in. in the ground, marked 2 notches on S. & 4 notches on N. edges; and raised a mound of stone 2 ft. base. 1 ft. high. W. of Cor. Pits impracticable. From to sec 19 24 25 & 30 Land, rolling top of mountain. Soil. Gravelly & rocky, 3 rd ratio. Timber. Scattering aspens. Mountainous land 80. chs.

North bet. Secs 1 & 2 1/2 24.

14.40	On rolling top of mountain ridge, bears E & W. descend.
16.40	Entire aspens.
30.50	Gulch. course N. W. ascend
38.00	Ridge, bears E & W. descend.
40.00	Set - a trachyte $18 \times 10 \times 5$ in. 12 in. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face; from which An aspen 10 in. in diam. bears 941° & 10 lks dist. marked $\frac{1}{4} 5 19$. B.T.
	An aspen 5 in. in diam. bears $128^{\circ} E$ 27 lks dist. marked $\frac{1}{4} 5 19$. B.T.
42.00	Lean aspens
44.00	Gulch. course N. W. ascend 200 ft.
71.50	Top of ridge. bears N. W. & S. E. descend
74.50	Entire aspens.
80.00	Set - a granite $18 \times 10 \times 6$ in. 12 in. in the ground, for cor. to Sec 15. 18, 19 & 1/2 24 marked 3 notches on S. & E. edges, & raised a mound of stone 2 ft. base. 1 ft. high. W. of Cor. Pits impracticable An aspen 8 in. in diam. bears $1174^{\circ} E$. 10 lks dist. marked T. 29. S. R. 2. W. S. 18. B. T. An aspen 10 in. in diam. bears $177^{\circ} E$ 10 lks dist. marked T. 29. S. R. 2. W. S. 19. B. T.

Great Boundary of S. 29. L. S. 2. N. Cont.

	Chains	Land. rolling top. of mountain. Soil. Gravelly & rocky, 3' slate. Timber. Aspens. Mountainous land 80 cho.
		intra sec: dec 13 18718.
		Descend in aspens
9.40		Leave aspens.
10.00		Set - a sandstone 16 x 10 x 5' mis. 11 mis. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. W. of Cor. Pits impracticable.
11.00		Enter scattering spruce.
12.00		Leave spruce. Enter aspens.
12.50		Canyon. 1000 ft. below sec. Cor. Course C. Creek 2' the mids. flows E.
13.50		Leave aspens. ascend.
14.00		Set - a trachyte 18 x 10 x 8' mis. 12 mis. in the ground for cor. to dec 7, 12, 13 18718 marked 4 notches on S. & 2 notches on N. edges; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. W. of Cor. Pits impracticable.
		Land. Broken.
		Soil. Rocky, 4' slate.
		Timber. Aspen & spruce.
		Mountainous land 80 cho.
		E. side sec. dec 7 18712.
		Ascend.
12.00		Ridge 500 ft. above creek. bears S. W. descend
12.50		Gulch. course S. W. ascend. 200 ft.
13.00		Ridge. bears E. W. descend gradually.
14.00		Set - a sandstone 16 x 12 x 10' mis. 11 mis. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. W. of Cor. Pits impracticable.
14.50		Gulch 200 ft. dep. course S. W. ascend.
15.00		Set - a sandstone 16 x 10 x 8' mis. 11 mis. in the

West-boundary of T. 29. S. P. 2. W. continued.

Draws

ground for cor. to Secs 1, 6, 7 & 12. mark
5 matches on S. & 1 match on N. edges; and
raised a mound of stone 2 ft. base. 1/4 ft.
high. W. of Cor. Pts. impracticable.
Land, rolling top. of mountain.
Soil. Gravelly & rocky, 4 ft. val.
No timber.
Mountainous land 80 ch.

North but. Secs 1 & 6.

Ascend.

- 5.00 Ridge. bears E. & S. W. descend.
- 10.50 Hollow. comes S. W. ascend
- 30.40 Ridge. bears E. & S. W. descend
- 40.00 Set a sandstone 18x10x8 in. 12 in. in
the ground for 1/4 sec. Cor. marked 1/4 on
W. face; and raised a mound of stone
2 ft. base. 1/4 ft. high. W. of Cor. Pts.
impracticable.
- 49.00 Head of Cañon. comes E. ascend
- 50.00 Set limestone Cor. to this 28 1/2 d. 1/2
2 1/2 h. W. which on July 31st I destroy.
- 51.50 Ridge. bears E. & S. W. descend.
- 51.50 Head of Cañon. comes S. W. ascend,
- 54.40 Set a limestone 13 x 8 x 8 in. 8 in. in the
ground for Cor. to this 28 1/2 d. 1/2 e 2
2 1/2 h. W. marked 6 matches on N. E. & S. W.
edges; and raised a mound of stone 2 ft.
base. 1/4 ft. high. W. of Cor. Pts. impracticable.
Land, rolling top. of mountain.
Soil. Rocky. 4 ft. val.
No timber.

Mountainous land 94.40 chs

(July 30th 1897)

North Boundary of T. 29. S. R. 2. W.

Chains	<p>July 31st - At 7^h 50^m A. M. Com. C. I. set off $38^{\circ} 20' N$ on the lat. arc; $18^{\circ} 05' W$ on the decl. arc; and determine a true meridian with the solar at the temporary cor. to this $28^{\circ} 29. R. 2 \frac{1}{2} h W.$</p> <p>Then I run</p> <p>East on a random line along N. edge, of T. 29. S. R. 2. W. setting temporary $\frac{1}{4}$ sec. & sec. Coms at intervals of 100 chs. $\frac{1}{2}$ 80.00 chs. and at $\frac{1}{2}$ 90.00 chs. Intersect 14.40 chs. South of the cor. to Secs 1, 2, 3 & 4/36. which is a granite $8 \times 14 \times 12$ ins. above ground. marked and witnessed as described by the Surveyor General.</p> <p>Then I run</p> <p>West on a true line bet. Secs 2 & 3/35. Enter cedars & pines. ascend 300 ft. Ridge. bears N. E. & S. W. descend 100 ft. Gulch. course N. E. ascend</p>
30.00	<p>Set a trachyte $20 \times 12 \times 4$ ins. 10 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone. 2 ft. base, 1$\frac{1}{2}$ ft. high. N. of cor. Bits impracticable.</p>
36.50	<p>Pmtl. of ridge. falls N. descend.</p>
40.00	<p>Gulch. course N. E. ascend</p>
40.00	<p>Set a trachyte $20 \times 12 \times 4$ ins. 10 ins. in the ground. for cor. to Secs 2 & 3 & 4/35. marked 2 notches on S. & 4 notches on N. edges; and raised a mound of stone 2 ft. base, 1$\frac{1}{2}$ ft. high. N. of cor. Bits impracticable.</p>
52.50	<p>Pmtl. of ridge. falls N. descend.</p>
69.00	<p>Gulch. course N. E. ascend</p>
80.00	<p>Set a trachyte $18 \times 10 \times 3$ ins. 12 ins. in the ground. for cor. to Secs 2 & 3 & 4/35. marked 2 notches on S. & 4 notches on N. edges; and raised a mound of stone 2 ft. base, 1$\frac{1}{2}$ ft. high. N. of cor. Bits impracticable.</p>
	<p>Land. Broken.</p>
	<p>Soil. Rocky. & salty.</p>
	<p>Timber. & scattering spruce & pine.</p>
	<p>Granular soil and 80 chs.</p>
	<p>July 31st 1897 at this cor. I set off $18^{\circ} 05' N$ on the decl. arc and $12^{\frac{1}{2}} W$. Com. C. I. observe the sun on the meridian. the resulting lat is $38^{\circ} 20'$.</p>
41.00	<p>West on a true line bet. Secs 3 & 4/34. Enter scattering spruce & pine. ascend 80 ft. Top of ridge. bears N. W. & S. E. descend gradually along N. slope.</p>

North boundaries of T. 2d. S. R. 2. W. Continued;

- ramo.
- 40.00 Set a sandstone 18x12x8 ins. 12 ins. in ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face; from which
A cedar 8 ins. in diam. bears $W. 26^{\circ} E. 5^{\circ}$ & dist. marked $\frac{1}{4}$ S. S. T.
A pine 12 ins. in diam. bears $E. 30^{\circ} S. 130^{\circ}$ E.
Dist. marked $\frac{1}{4}$ S. S. T.
- 47.00 Descend 100 ft. over steep side hill.
- 52.30 Prairie. course S. W. Road. bears $E. 8^{\circ} S. 17^{\circ} W.$
ascend 200 ft.
- 58.00 Ridge. bears $N. 24^{\circ} S.$ descend
- 74.00 Gulch 30 ft. deep. course S.
- 80.00 Set a sandstone 16x10x8 ins. 11 ins. in ground for cor. to secs 5. 4. 33 & 34. mark S. notches on E. & W. edges; and raised a mound of stone 2 ft. base. $1\frac{1}{2}$ ft. high W. of cor. Bits impracticable.
and. broken.
Soil. Rocky. 4th rate.
Timber. Scattering cedar & pine.
Mountainous land 80. chs.

Meet on a true line bet. secs 4 & 33.
Ascend in scattering cedar & pine.
2.00 Point of ridge. bears S. descend.

5.70 Gulch. 60 ft. deep. course S. around

10.00 Ascend. ridges of boulders along N. slope of canon

14.00 Set a brachyli 18x14x6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. -ace; and raised a mound of stone 2 ft. base. $1\frac{1}{2}$ ft. high. N. of cor. Bits impracticable.

18.00 Set a brachyli 20x12x8 ins. 15 ins. in ground for cor. to secs 4, 5, 32 & 33. mark S. notches on E. & 2 notches on W. edges; and raised a mound of stone. 2 ft. base. $1\frac{1}{2}$ ft. high. N. of cor. Bits impracticable.
Land. Broken.
Soil. Rocky. 4th rate.
Timber. Scattering cedar & pine.
Mountainous land 80. chs.

West boundary of C. L. G. S. R. L. W. Continued

Hours.	Spec. on a true line bet. Secs 5 & 32. Descent ledges & boulders, in scattering cedars and pines.
6.50	Fork of Canon 500 ft. below Sec. Cor. Come S.E. leaves cedar & pines.
7.50	Ascend
10.00	Set a trachyte 18x10x8 ins. 12 ins. in the ground. for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable.
10.00	Set a trachyte 16x14x8 ins. 11 ins. in the ground for Cor. to Secs 5, 6, 31 & 32, marked 5 notches on E. & 1 notch on W. edges; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. W. of Cor. Pits impracticable.
	Ascend, westward.
	Soil. Rocky, 4 ins.
	Timber. Scattering Cedars & pines.
	Mountainous land 80 chs.
	West on a true line bet. Secs 6 & 31.
10.00	Ascend, gradually in scattering cedars in a trachyte 16x12x9 ins. 11 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone soft base, 1 $\frac{1}{2}$ ft. high W. of Cor. Pits impracticable.
47.00	Bridge 400 ft. above Sec. cor. bears N.E. $\frac{1}{2}$ N.W.
62.35	Indicated N. edge of Th. 14-40 chs. N. of the temporary cor. to Tho 28 & 29. S. R. S. 2 & 24 N. which I destroy and establish at point of intersection as described in field notes of West boundary.
	Land. rolling.
	Soil. Rocky, 4 ins.
	Timber. Scattering aspens.
	Mountainous land 62.35. chs.
	juli 31 " 1894.

North boundary of T. 29. R. 2. W continued

For General description see
Subdivisions of this township

Boundaries of T. 29. R. 2. W

Latitudes true close in error.

Lines designated Lumbain Distances

	North	East	West
West boundary	494.40	494.40	
North boundary	462.55		462.35
East boundary	492.30	492.21	9.31
South boundary	392.40		392.40
South boundary	80.31	1.40	80.30
Convergency		.5	
	494.40 93.61	493.61 472.23	472.70 472.23
Error in Lat.	.7911	Error in Long. .47	

John J. Breckinridge
James McCarty
U.S. Deputy Surveyors.

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Survey
East boundary of T. 29. R. 2. W.

names

Aug. 1st 1887. at 7^h 05^m a.m. I set off 58° 30' from the Lat. arc; 17° 65' N. on the decl. arc; and determine a true meridian with the solar alt. at the cor. to Dps 28 1/2 S. R. 5, 1/2 W. which is a granite 9 x 2 x 10 ins. ground, marked & witnessed as described by the Surveyor General.

Then I run

South on a running line along the East boundary of the Township.

I find several of the corners missing, but those that are in place are good for alignment, and the distances 1 chain in excess per half mile. At 492.21 chs intersect 9.51 chs. E. of the cor. to Dps 29 3/5 S. R. 5, 1/2 W.

The true course of this line therefore is 80° 05' E. and the distance 492.30 chs

Aug. 1st 1887.

John J. Breckin
Horner McCarty
H. J. Deputy Surveyor

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Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____ showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____ base and _____ meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 _____ }



Final Oath of United States Deputy Surveyor.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

..... of the base and meridian, in the of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me this }
..... day of _____, 189_____ }

CCCCCO
O N E L D O
CCCCCO

APPROVAL.

Office of the United States Surveyor General,

Salt Lake City, U. S. March 13, 1899

The foregoing field notes of the survey of The West of the Colorado
of Juab & 2d South Range 2 West of the Salt Lake
Brave & Meridian, U. S. C. S.

executed by John H. Prentiss & Company
under contract No. 124, dated October 20th, 1896, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jas. S. Blain
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____
has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-249

FIELD NOTES

OF THE SURVEY OF THE

Subdivision of L. & S. R. R. M.

of the Cal-Lake Road and Meridian,
State of Mich

AS SURVEYED BY

John J. Breckinridge & Company, United States Deputy Surveyors,
 under his Contract No. 208, dated October 20th, 1896
 Survey commenced July 31st, 1897
 Survey completed August 5th, 1897

8-151

Subs. (high) ^{m. - ft. - in.} 30-52-45 ✓
 Closings - 52.75 ✓

Conty - Returns - 8-11-26 ✓

NAMES AND DUTIES OF ASSISTANTS.

Alex. Morrison Chairman

C. H. Morrison Chairman

Joseph Johnson Chairman

Chas. Bohman Chairman

Thomas Balis Axeman & Moundman

Joseph Zollig Axeman & Moundman

For preliminary affidavits see book C

BOOK A-249

INDEX DIAGRAM.

Township 27 ✓, Range 2 NW

6	5	4	3	2	1
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31	32	33	34	35	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman

....., Moundman

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman

....., Axman

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman

Subscribed and sworn to before me this }
day of , 189 }



Subdivision of T. 29. S. R. 2. W.

names

commenced July 31st 1887 and
executed with a Gurley Mountain transit
and Gurley Surveyor's transit each with
solar attachment. To complete lot 14 took 8th.

7th a.m. I set off 38° 18' N.
the lat. and 18° 08' N. on the decl. arc; and
determine a true meridian with the solar
at the Cor. to Secs 9. 10. 15 & 1/16 which is a
granite 8x10x10 ins. above ground, marked
and witnessed as described by the Surveyor
General

Then I ran
No. 02 NW bet. Secs 9 & 10

Var. 14° 46' E.

Ascend in scattering cedar & pine

8.00 Ridge. bears E. 3/4 N. descend 600 ft.

37.60 Cañon. course S.E. Road. bears N. E. 3/4 N.
ascend.

40.00 Set a sandstone 16x12x8 ins. 11 ins. in
the ground for 1/4 Sec. Cor. marked 1/4 on
W. face; from which

A pine 4 ins. in diam. bears N. 1° 10' E 31 ins.
dist. marked 1/4 S. B. T.

A pine 4 ins. in diam. bears N. 5° 40' 50" E
dist. marked 1/4 S. B. T.

54.20 Point of ridge S. bears S. W. descend

64.30 Ravine 200 ft. deep. course S. W. ascend

72.75 Point of ridge 200 ft. high. bears S. W. thence
along W. slope

80.00 Set a trachyte 18x12x6 ins. 12 ins. in the
ground for cor. to Secs 3 & 10 marked
5 notches on S. & 3 notches on E. edges; and
raised a mound of stone 2 ft. base. 1 1/2 ft.
high W. of Cor. Post impracticable.
Land. broken.

Soil. Rocky, 1/4 the soil,

Timber. Scattering scrub cedar 3' ins.
Mountainous land 80 ch.

Subdivisions of T. 24. S. 1. R. 2. W. Continued.

Chains	
10.00	East on a sandstone line bet. Secs 3 & 1/10 Set temporary in Sec. Cor.
80.00	Intersect W. Bdy. of Lf. 11/12 chs E. of cor. to Secs 2. 3. 10 & 11. I destroy all marks pertaining to Secs 2 & 11. from old cor. and Set a sandstone 14 x 10 x 10 ins. 10 ins. in the ground for Closing Cor. to Secs 3 & 1/10 marked C.C. on N. with 5 grooves on E. & 2 grooves on E. faces; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable. thence I run
2.00	West on a true line bet. Secs 3 & 1/10 Ascend 20 ft. in scattering cedars & pines.
22.00	Point of ridge, bears S. descend 100 ft.
37.00	Head of ravine, course S.E. ascend 100 ft.
40.00	Point of ridge, bears S. descend Set a trachyte 6 x 12 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, from which
	A pine 12 ins. in diam. bears N. 58° 30' E. 50 ft. dist. marked 1/4 S. 5. S. B.T.
	A pine 10 ins. in diam. bears S. 17° E. 71 ft. dist. marked 1/4 S. 10. S. T.
45.00	Ditch 100 ft. deep. course S. ascend.
57.00	Ridge. bears W. E. & S. W. descend
62.00	Ravine. course S. W. ascend.
78.00	Ridge. bears N. E. & S. W. descend to
80.00	The cor. to Secs 3. 4. & 1/10. Land. broken. Soil. Rocky. 4 th salin.
	Lumber. Scattering scrub cedar & pine.
	Montainous land. 80 chs. July 31 st at this cor. I set off 18' 05" M. on the decl. arc; and at 12 th M. E. decl. above the cor. on the meridian, the resulting lat. is 58° 19' 15" 1.3° 02' N. on a random line bet. Secs 3 & 4.
40.01	Set temporary 1/4 Sec. Cor.
87.10	Intersect W. Bdy. of Lf. 11/12 chs E. of cor. to Secs 3. 4. 3 3 1/4 & 1/4. I destroy all marks pertaining to Secs 3 & 1/4 from old cor. and Set a sandstone 16 x 10 x 10 ins. 11 ins. in the ground for Closing Cor. to Secs 3 & 1/4 marked

Subdivision of J. 29. S. R. 2. N.W. Continued

C.C. on S. with 3 grooves on E & W. faces; and raised a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high. S. of Cor. Pits impracticable.

Thence I run

So. 02' E. on a true line bet. Secs 3 & 4.

Enter scattering cedar & pine. descend.

7.60 Canons. course E. Road. bears E & W.

9.26 ascend 300 ft.

14.90 Point of ridge. bears E. descend E. sloping.

17.10 Set a trachyte 16x12x5 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high. W. of cor. Pits impracticable.

62.00 Canon. course S.W.

62.90 Road. bears N.E. & S.W.

63.65 Creek 2 ft. wide. 2 ins. deep. flows S.W. as

77.00 Rocky point - 300 ft. high. bears W. desc.

87.10 Th. cor. to Secs 3. & 10.

Land broken.

Soil. Rocky, & th. slate.

Timber. Scattering scrub cedar & pine.

Mountainous land 87.10 obs.

From the cor. to Secs 2 & 11. which is a sandstone 9x10x10 ins. above ground, marked & witnessed as described by the Surveyor General.

I run

No. 02' W. on a random line bet. Secs 2 & 3.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

81.80 Intersect W. side of Sp. 1. 20 chs. E. of cor. to Secs 2. 3. 34 & 35. I destroy all marks pertaining to Secs 2 & 3. from old cor. and set a sandstone 18x12x7 ins. 12 ins. in the ground for Closing Cor. to Secs 2 & 3. mark C.C. on S. with 2 grooves on E & 4 grooves on W. faces; and raised a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high. S. of cor. Pits impracticable.

Thence I run

So. 02' E. on a true line bet. Secs 2 & 3.

Subdivisions of C. 2d. S. R. 2. W. Continued.

Chain	Ascend. in scattering Cedars 1 ft. min.
41.50	Ridge. bears N. W. & S. E. descend
18.80	Gallow. course S. W. ascend,
26.80	Conglomerate ridge, 100 ft. high. bears S. W. descend.
41.80	Set a sandstone $\frac{1}{4} \times 10 \times 8$ in. 10 in. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face; from which
	A cedar 10 in. in diam. bears $W 31^{\circ} 25' E. - 65$ lbs dist. marked $\frac{1}{4}$ S. E. B. T.
	A pine 10 in. in diam. bears bears $S 10^{\circ} 15' E$ 68 lbs dist. marked $\frac{1}{4}$ S. E. B. T.
46.80	Common. course S. E. ascend.
47.56	Set a sandstone $\frac{1}{4} \times 8 \times 6$ in. 10 in. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face, from which
	A pine 8 in. in diam. bears $N 60^{\circ} 20' W 126$ lbs dist. marked $\frac{1}{4}$ S. E. B. T.
	A pine 8 in. in diam. bears $S 66^{\circ} 20' W 63$ lbs dist. marked $\frac{1}{4}$ S. E. B. T.
	On point of ridge. bears S. E.
48.80	Gulch. course E. ascend 100 ft. to
62.80	Ridge. bears E. & W. descend gradually to
81.80	The cor. to Secs 2 & 11. $\frac{1}{4}$
	Land. broken.
	Soil. Rocky, 4 ft. calc.
	Timber. Scattering scrub cedar 1 ft. min.
	Mountainous land 81.80 chs.

July 31 " 1897

Dug 1. At $45^{\circ} 25' N.$ Lat. $106^{\circ} 45' W.$ Long. At 11 A.M. M.C. I set off $38^{\circ} 15'$ from the lat. arc; $17^{\circ} 54' E.$ on the decl. arc; and determine a true meridian with the solar at the Cor. to Secs 4 & 5 $\frac{1}{2}$ & 3 $\frac{1}{2}$ on S. side. of R. as hitherto described hence I run

No. 05' or. bet. Secs 32 & 33.

Descend 300 ft.

- 13.00 Ravine. course $S 80^{\circ} E.$ ascend 200 ft.
- 27.00 Ridge. bears E. & W. descend
- 30.40 Gulch. 80 ft. deep. course E. ascend
- 37.00 Ridge. bears E. & W. descend,

Subdivision of T. 29. S. R. 2. W. Continued.

- 40.00 Set - a granite 16x16x4 in. 11 in. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base, 1 ft. high. W. of Cor. Pits impracticable.
- 46.50 Canon course E. 350 ft. deep. ascend.
- 64.00 Hedge. bears E. of W. descend in sc Cedars & pines.
- 80.00 Set - a granite 16x14x10 in. 11 in. in the ground for Cor. to Secs 28-29-32 & 33, marked 1 notch on S. & 1/4 notches on E. edges. and raised a mound of stone 2 ft. base. 1 ft. high. W. of Cor. Pits impracticable.
A pine 6 in. on stumps. bears S. 52° W. 45° to dist. marked T. 29. S. R. 2. W. S. 32. B. T. No other bearing trees within limits.
and. broken.

Soil. Rocky. 4 th ratio.

Timber. Scattering Cedar & Pine.

Mountainous land 80 chs.

- East on a random line bet. Secs 28 & 33.
- 40.00 Set - temporary $\frac{1}{4}$ sec. Cor.
- 78.90 Intersect N. E. line 3.10 chs. 51' of Cor. to Secs 27-28-33 & 34. which is a sandstone 5x10x8 in. above ground marked $\frac{1}{4}$ mil crossed as described by the Surveyor Gen I destroy all marks pertaining to Secs 28 & 33 & set - an iron stone 14x12x7 in. 10 in. in the ground for Closing Cor. to Secs 28 & 33 marked C. C. on W. with 1 groove on S & 3 grooves on E. faces; and raised a mound of stone 2 ft. base, 1 ft. high. W. of Cor. Pits impracticable.

Hence I run

West - on a true line bet. Secs 28 & 33.

Ascend gradually

- 17.00 Enter scattering cedar & pine.
- 18.00 Point of ridge. bear S. E. descend
- 22.00 Canon. course S. E. from W.
- 35.00Leave canon. course E. from N. W. ascend.
- 38.90 Set - a limestone 16x12x4 in. 11 in. in the

Subdivision of T. 29. S. R. 2. W. Continued.

Shams	ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face; from which A pine 4 in. in diam. bears $46^{\circ} 30' N.$ 42 deg dist: marked $\frac{1}{4}$ S. 28. 13. T. a cedar 15 in. in diam. bears $43^{\circ} E.$ 28 deg dist: marked $\frac{1}{4}$ S. 33. 13. T. 63.00 Ridge. Bears N. E. $\frac{1}{4}$ S. W. descend 67.00 Gulch. 200 ft. deep. course N. E. ascend to 78.90 the cor. to Secs 28. 29. 32 & 50. Land. broken. Soil. Gravelly & rocky, 3 in. soil. Timber. Scattering scrub cedar & pine. Mountainous land 78 90 chs.
	No. 5 N. bel: Secs 28 & 29. Descend 300 ft. in scattering scrub cedar & pine Head of Cañon, course E. ascend Set a trachyte 16 x 14 x 8 in. 11 in. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face; from which A cedar 10 in. in diam. bears $42^{\circ} 30' E$ 14 deg dist: marked $\frac{1}{4}$ S. 28. 13. T. A pine 24 in. in diam. bears $40^{\circ} 40' N$ 30 deg dist: marked $\frac{1}{4}$ S. 29. 13. T. 42.00 Ridge. Bears E. & N. descend 300 ft. 57.00 Head of Cañon, course S. E. ascend 300 ft. 66.00 Ridge. Bears E. & N. descend 80.00 Set a trachyte 16 x 12 x 9 in. 11 in. in the ground for cor. to Secs 20. 21. 28 & 29, marked 2 notches on S. & 4 notches on E. edges; and raised a mound of stones 2 ft. high. 1 ft. 13 ft. high. N. of cor. Pilots impracticable. Land. broken. Soil. Rocky & gravelly. Timber. Scattering scrub cedar & pine. Mountainous land 80 chs. Aug. At this cor. I set off $17^{\circ} 48' N.$ on the decl. line and at 12 M. l.m. I observe the sun on the meridian. the resulting lat. is $38^{\circ} 17' N$
40.00	East - on a random line bel. Secs 21 & 28 Set temporary $\frac{1}{4}$ Sec. Cor.

Subdivision of T. 29. S. P. 2. W. Continued.

77.40 Intersect N. E. S. line 5.02 chs. S. of the Cor. to Secs 21-22-27 & 28. which is a sandstone 5' x 8x5 ins above ground, marked $\frac{1}{4}$ as described by the Surveyor General. I destroy marks pertaining to Secs 21 & 28. and set a granite 16x12x10 ins. 11 ins. in the ground for Closing Cor. to Secs 21 & 28 marked C.C. on W. with 2 grooves on S. & 3 grooves on E. faces; and raised a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high. W. of Cor. Pts impracticable. Hence I run West on a true line bet. Secs 21 & 28. Descend 500 ft.

1.50 Ravine. course S.E. ascend in scattering cedar & pine
 25.00 Point of ridge 100 ft. high. bears N. descend
 32.20 Gulch. course N.E. ascend
 37.40 Set a trachyte to 14x10x8 ins. 10 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, from which A pine 10 ins. in diam. bears $N 18^{\circ} 30' W$ 44 ths dist. marked $\frac{1}{4}$ S. 21. B.T.
 A cedar 6 ins. in diam. bears $S 32^{\circ} 35' W$ 17 ths dist. marked $\frac{1}{4}$ S. 28. B.T.

52.00 Point of ridge 200 ft. high. bears N.E. des
 58.20 Gulch 150 ft. deep. course N.E. ascend.

- 77.40 The Cor. to Secs 20-21-28 & 29.
 Land broken.

Dirt. Gravelly & rocky. 5 strata.

Timber. Scattering scrub cedar & pine,
 Mountainous land 77.40 chs.

As last 1 " 189.

$0^{\circ} 03' W$. bet. Secs 20 & 21.

Descend.

3.50 Ravine. course E. ascend 400 ft.

16.00 Ridge bears E. $\frac{1}{2}$ W. enter scattering cedar & pine. descend.

33.90 Canyon 600 ft. deep. course E. ascend.

40.00 Set an iron stone 16x10x6 ins. 11 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face & raised a mound of stone 2 ft. base; 1 $\frac{1}{2}$ ft. high W. of Cor. Pts impracticable,

Subdivision of T. 29. S. R. 2. W. Continued

Chains 57.00	Ridge. bears E. & W. descend 200 ft.
71.00	Gulch. course E. ascend
74.00	Point of ridge. bears E. descend
80.00	Set a trachyte 16 x 12 x 8 ins. 11 ins. in the ground for cor. to secos 16. 17. 20 & 21. marked 3 notches on S. & 1/4 notches on E. edges; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Pit impracticable. A pine 12 ins. in diam. bears $94^{\circ} 40' E$ at this dist. marked T. 29. S. R. 2. W. S 16. B. T. No other bearing trees within limits. Lond. broken.
Soil. Rocky, 4 $\frac{1}{2}$ rate.	
Limber. Scattering scrub cedars 3 ft. ins.	
Mountainous land 80 chs	
Aug. 2. At this cor. I set-off 17' 34" N. on the decl. arc; and observed the sun on the meridian. The resulting lat. is $38^{\circ} 17' 3$ "	
40.00	East on a random line bet. secos 16 & 21. Set temporary 1/4 sec. cor.
75.90	Intersect N.E. st. line 0.40 chs S. of cor. to bear 15. 16. 21 & 22, which is a sandstone 8 x 12 x 8 ins. above ground marked and witnessed as described by the Surveyor General. I destroy all marks from old cor. pertaining to secos 16 & 21 and Set a sandstone 18 x 7 x 6 ins. 12 ins. in the ground for closing cor. to secos 16 & 21. marked C.C. on N., with 3 grooves on S. & E. faces; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Pit impracticable. Larch I run
12.00	West on a true line bet. secos 16 & 21
20.00	Enter scattering cedars 3 ft. ins. ascend 100 ft.
35.90	Point of ridge. bears S. E. descend 80 ft.
20.00	Ravine, course S. E. ascend
35.90	Set a trachyte 14 x 8 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; from which A cedar 18 ins. in diam. bears $928^{\circ} 10' E$ 40 ft. N.

Subdivisions of T. 29. S. R. 2. W. Continued.

- aims
 dist: marked $\frac{1}{4}$ S. 16. B. T.
 A pine 4 mos. in diam. bears $832^{\circ} 20' W. 21$ ltrs
 dist: marked $\frac{1}{4}$ S. 21. B. T.
 51.90 Ridge. bears $W. \frac{1}{2} S.$ descend 300 ft.
 61.00 Gulch, course S. ascend
 69.90 Ridge 100 ft. high bears $W. \frac{1}{2} S.$ descend.
 74.60 Ravine. course S. E. ascend to
 75.90 The cor. to Secs 16. 17. 20 & 21.
 Land. broken.
 Soil. Gravelly & rocky & calc.
 Timber. Scattering scrub cedars & pines.
 Mountainous land 76.90 chs.

- $\frac{77}{100} .03$ W. bet: Secs 16 & 17.
 Enter scattering cedars & pines. descend.
 1.25 Ravine. course S. E. ascend.
 15.00 Ridge. bears $W. \frac{1}{2} S. E.$ leaves timber.
 30.00 Canon. 300 ft. deep. course E. ascend, enter
 scattering cedars & pines
 40.00 Set a trachyte 14x8x6 mos. 10 mos. in the
 ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N face
 from which
 A cedar 10 mos. in diam. bears $95^{\circ} 45' W. 6$
 dist: marked $\frac{1}{4}$ S. 17. B. T.
 A pine 12 mos. in diam. bears $948^{\circ} 41' E. 28'$
 dist: marked $\frac{1}{4}$ S. 16. B. T.
 On ridge. bears $E. \frac{1}{2} W.$ descend
 58.33 Canon 300 ft. deep. course E.
 69.50 Ascend.
 80.00 Set a trachyte 14x9x8 mos. 10 mos. in the
 ground for cor. to Secs 8. 9. 16 & 17. mark
 4 notches on S. E. edges; from which
 A pine 14 mos. in diam. bears $884^{\circ} 30' E. 22'$
 dist: marked T. 29. S. R. 2. W. S. 9. B. T.
 A pine 16 mos. in diam. bears $S. 45' E. 66$ ltrs
 dist: marked T. 29. S. R. 2. W. S. 16. B. T.
 A pine 15 mos. in diam. bears $61^{\circ} 45' W. 02'$
 dist: marked T. 29. S. R. 2. W. S. 17. B. T.
 A cedar 15 mos. in diam. bears $W. 32^{\circ} W. 12'$
 dist: marked T. 29. S. R. 2. W. S. 8. B. T.
 Land. broken.

Subdivision of C. 29. S. 55. 2. Ht. Cont'd.

	Soil. Rocky, & shale. Timber. Scattering cedar & pine. Mountainous land 80. chs.
40.00	Cast on a random line bet. decs 9 & 16. Set temporary by Sec. Cor.
74.00	Intersect N. 1/4 line 7. 65: chs. 5 1/2 of cor. to Secs 9, 10, 15 & 16; as heretofore described. I destroy all markers from old cor. pertaining to Secs 9 & 16, and Set a trachyte 15 x 15 x 7. ins. 12 ins. in the ground for Closing Cor. to Secs 9 & 16. Marked C.C. on N. with 49 stones on S. E. 3 stones on E. faces; and raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor. Pits impracticable. Then I row.
15.00	Cast on a true line bet. Secs 9 & 16, descend in scattering cedar & pine.
34.00	Point of ridge. bears S. E. thence along S. slope
40.00	Set a lava stone 15 x 12 x 5 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. E. of Cor. Pits impracticable.
74.00	Point of ridge. bears S. W. descend to the cor. to Secs 8 & 9. 16 & 17.
	Land broken.
	Soil. Rocky, & shale.
	Timber. Scattering scrub cedar & pine. Mountainous land 74. chs.
	40.00 N. bet. Secs 8 & 9. descend over rolling top of mountain in scattering cedar & pine.
	8. 50 leaves timber.
40.00	Set a trachyte 14 x 8 x 6 ins. 9 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Pits impracticable.
17.00	Ridge. bears E. S. E. 1/4 N. descend

Subdivision of T. 29. S. R. 2. W. Continued

76.00 Canon 200 ft. deep. course E. ascend
 80.00 Set-a trachyte $20 \times 10 \times 8$ ins. 15 ins. in the
 ground for cor. to Secs 4, 5, & $\frac{3}{4}$ marked
 5 notches on S. & $\frac{1}{4}$ notches on E. edges; and
 raised a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft.
 high. N. of Cor. Pits impracticable.
 Land. broken & rolling.
 Soil. Rocky. 4th rate.
 Limber. Scattering cedar & pines.
 Mountainous land 80 chs.

East on a random line bet. Secs 4 & $\frac{3}{4}$,
 40.00 Set temporary $\frac{1}{4}$ sec. cor.
 78.55 Entered W.E.S. line 7.55 chs below cor. to
 Secs 3 & $\frac{1}{2}$.
 Set-a trachyte $16 \times 8 \times 6$ ins. 11 ins. in the
 ground for Closing Cor. to Secs 4 & $\frac{3}{4}$,
 marked C. C. on W. with 5 grooves on S. &
 3 grooves on E. faces; and raised a mound
 of stone 2 ft. base 1 $\frac{1}{2}$ ft. high. N. of cor.
 Pits impracticable.
 Hence I run
 West on a true line bet. Secs 4 & $\frac{3}{4}$.
 Descend 200 ft. in scattering Cedars & pines
 Enter bottom of Canon. course S.
 6.90 Canon road. bears N. E. S.
 7.40 Ascend steep hill-side.
 83.55 Set-a trachyte $16 \times 10 \times 6$ ins. 11 ins. in the
 ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face,
 and raised a mound of stone 2 ft. base.
 1 $\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable.
 83.55 Ridge. bears N. E. S. descend to
 78.55 The Cor. to Secs 4, 5, 8 & $\frac{3}{4}$.
 Land. broken.
 Soil. Rocky. 4th rate.
 Limber. Scattering scrub Cedars & pines
 Mountainous land 73.56 chs.
 Aug. 2 at this cor. at $5^{\circ} 45' 30''$ P.M. A.M. I set off
 $38^{\circ} 19'$ on the lat. arc; $17^{\circ} 52' N$ on the decl. arc
 determine a true meridian with the solar.

Subdivision of T. 29. S. R. 2. W. Continued

Chano.	No. 03 W. on a random line bet. Secs 4 & 5.
10.00	Set temporary $\frac{1}{4}$ sec. cor.
94.65	Intersect N. bdy. of Gr. 7. 40 chs. E. of Cor. to Secs 4. 5. 32 & 33. I destroy all marks from old cor. pertaining to Secs 4 & 5; and set a trachyte 17 x 9 x 4 ins. 12 ins. in the ground for closing Cor. to Secs 4 & 5, marked C.C. on S. with 4 grooves on E. & 2 grooves on W. faces; and raised a mound of stone 2 ft. base. $\frac{1}{2}$ ft. high. S. of Cor. It is impracticable. Hence I run
	No. 03 E. on a true line bet. Secs 4 & 5.
	Descend rocks & boulders, in scattering cedars & pines.
11.00	Bottom of Canon. course S.E. 400 ft. below sec. cor.
14.00	Leave bottom. ascend
52.50	Ridge. 800 ft. above canon. bears E $\frac{1}{4} \text{ N}$. Descend gradually.
54.65	Set a trachyte 16 x 12 x 4 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, and raised a mound of stone 2 ft. base, $\frac{1}{2}$ ft. high. W. of Cor. It is impracticable. The cor. to Secs 4. 5. 8 & 9.
94.65	Land broken & rolling. Soil. Rocky. 24 thal. Limpid. Scattering scrub cedar & pine. Mountainous land 94.65 chs.

August 2" 1897

	Aug 2" at 4h 30m A.M. l.m.t. I set off $38^{\circ} 15'$ W. of the lat. arc; $17^{\circ} 22'$ N. of the decl. arc; and determine a true meridian with the solar at the Cor. to Secs 31 & 32 on S. bdy. of Gr. line to be described. Hence I run
	No. 03 W. bet. Secs 31 & 32.
4.00	Ascend 80 ft.
4.00	Ridge. bears N. W $\frac{1}{4}$ S. E. over rolling top of mountain sloping E.
40.00	Set a trachyte 16 x 14 x 5 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W.

Subs T 295-R-2W

Length	Low	Cast
m. chs. obs.	m. chs. obs.	m. chs. obs.
1-00-00 ✓		5-56 ✓
1-07-10 ✓		1-12 ✓
1-01-80 ✓		1-20 ✓
1-00-00 ✓		3-10 ✓
78-90 ✓		5-32 ✓
1-00-00 ✓		6-40 ✓
74-00 ✓		7-65 ✓
1-00-00 ✓		7-35 ✓
73-55 ✓		7-40 ✓
1-14-65 ✓		
2-00-00 ✓		
79-70 ✓		
72-00 ✓		
1-00-00 ✓		
79-50 ✓		
71-70 ✓		
1-00-00 ✓		
79-40 ✓		
71-30 ✓		
1-00-00 ✓		
79-80 ✓		
70-90 ✓		
1-00-00 ✓		
79-90 ✓		
70-45 ✓		
1-14-80 ✓		7-65 ✓
30-92-45 ✓		52.75

Pelicans - Cont'd.m. chs. obs.

1-02-51
 1-01-95
 1-01-91
 1-02-01
 1-01-31
 1-01-22
 1-01-25
79-10
 8-1-1-2-6

100
 600
 120
 80
 12
 44

Subdivision of T. 29 S. R. 2. W. Continued.

Chains	
80.00	face; and raised a mound of stone 2 ft. base, $\frac{1}{2}$ ft. high. W. of cor. Pile impracticable. Set on iron stone 14 x 10 x 6 ins. 4 ins. in the ground for cor. to Secs 29, 30, 31 & 32. marked, notch on N. & 5 matches on E. edges; and raised a mound of stone 2 ft. base, $\frac{1}{2}$ ft. high. W. of cor. Pile impracticable. Land, rolling.
	Soil. Gravelly $\frac{2}{3}$ of Rocky. 3 rd soil. No timber. Mountainous land 80 chs.
40.00	East on a random line bet. Secs 29 & 32
Set temporary $\frac{1}{4}$ sec. cor.	
79.70	Intersect W. 3 rd line & the N. of cor. to Secs 28, 29, 32 & 33. Thence I run
	189° 56' W. on a true line bet. Secs 29 & 32.
29.00	Ascend 400 ft. in scattering cedars & pines. Ridge. bears W. 3 rd . leave timber. descend
39.85	Set on iron stone 14 x 12 x 6 ins. 4 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, $\frac{1}{2}$ ft. high. N. of cor. Pile impracticable.
41.00	Ascend to
79.70	The cor. to Secs 29, 30, 31 & 32. Land rolling & broken. Soil. Gravelly $\frac{2}{3}$ of Rocky. 3 rd soil. Timber. scattering cedars & pines, with small groves of aspens. Mountainous land 79.70 chs.
40.00	West on a random line bet. Secs 30 & 31.
Set temporary $\frac{1}{4}$ sec. cor.	
72.00	Intersect W. bdy. of 3 rd at cor. to Secs 25, 26, 30, 31 & 32 as heretofore described Thence I run
	East on a true line bet. Secs 30 & 31.
	Ascend gradually.

Subdivision of T. 29 S. R. 2. W. Continued.

- Chains Ridge. bears E. S. S. descend gradually.
32.00 Set a brachytile $14 \times 8 \times 4$ ins. 9 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable.
34.00 Enter aspens.
37.00 Leave aspens.
- 72.00 The Cor. to Secs 29, 30, 31 & 32.
Land rolling.
Soil. Gravelly & rocky. 3rd ratio.
Timber. Scattering aspens.
Mountainous land 72 chs.
Aug. 3. At this cor. I set off $17^{\circ} 19' N.$ on the decl. arc; and at $12^{\circ} W.$ l. m. l. observe the sun on the meridian, the resulting lat. is $38^{\circ} 10'$.

$41^{\circ} 03' N.$ bet. Secs 29 & 30

Descend gradually over rolling top of mountain.

- 16.00 Enter aspens.
23.00 Leave aspens.
40.00 Set a brachytile $20 \times 15 \times 3$ ins. 10 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable.
74.70 Ravines. Come S. E. ascend
- 80.00 Set an iron stone $20 \times 8 \times 8$ ins. 13 ins. in the ground for Cor. to Secs 19, 20, 29 & 30 marked 2 notches on S. & 5 notches on E. edges; and raised a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable.
Land rolling.
Soil. Gravelly & rocky. 3rd ratio.
Timber. Scattering of bunches of aspen.
Mountainous land 80 chs.

Subdivisions of S. 29, S. R. 2, W. Continued.

0 ains	S. 89° 56' E. on a random line bet. Secs 20 & 29.
40.00	Set temporary N. sec. cor.
79.50	Intersect N. E. & S. lines at. cor. to Secs 20, 21, 28 & 29. thence S. run.
	N. 89° 56' W. on a true line bet. Secs 20 & 29.
	Descend 300 ft.
5.00	Ravine, course N. E. ascend in scattering cedars and pines.
19.50	Ridge, bears N. E. & S. W. descend. leave timber.
34.00	Canyon 300 ft. deep. course N. E. ascend.
39.75	Set a trachyte 14 x 10 x 8 ins. & rise in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, $\frac{1}{2}$ ft. high. N. of Cor. Site impracticable.
60.00	Ridge, bears N. E. & S. W. descend.
67.75	Ravine, course N. E. ascend along N. side of ravine.
79.50	The cor. to Secs 19, 20, 29 & 50 Land. broken.
	Soil. Gravelly & rocky. 3" talus.
	Timber. Scattering scrub Cedars & pines & scattering groups of aspens.
	Mountainous land 79.50 Ch.
40.00	West on a random line bet. Secs 19 & 50 Set temporary N. sec. cor.
71.70	Intersect N. W. border of S. 1/4 Ch. N. of Cor. to Secs 19, 24, 25 & 50, as heretofore described thence S. run
	N. 89° 55' E. on a true line bet. Secs 19 & 50.
	Over rolling top of mountain in scattering aspens
141.40	Leave aspens.
31.70	Set a trachyte 14 x 10 x 8 ins. & rise in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, $\frac{1}{2}$ ft. high. N. of Cor. Site impracticable.
53.00	Ridge, bears N. E. & S. W. descend to
70.10	Scrub. conif. & aspens
71.70	The cor. to Secs 19, 20, 29 & 50.

Subdivision of U.S.G.S. R. 2. W. Continued.

Chains	Land. rolling. Soil. Gravelly & Rocky 3 rd rate. Timber. Scattering groves of aspen. Mountainous land 71,700 chs
	Aug 3 rd 1894.
40.00	40° 03' W. bet. Secs 19 & 20. Ascend over rolling top. of mountain. Set - one iron stone 18x14x3 ins. 12 ins. in the ground for 1/4 sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Pits impracticable
60.00	Descend along W. side of Canon
80.00	Set - one iron stone 20x9x8 ins. 15 ins in the ground for cor. to Secs 17, 18, 19 & 20. marked 3 notches on S. & 5 notches on E. edges; and raised a mound of stone 2 ft. base. 1 1/2 ft. high. W. of Cor. Pits impracticable Land. broken. Soil. Gravelly & Rocky 3 rd rate. Timber. Scattering groves of aspen. Mountainous land 80. chs.
40.00	S. 89° 36' E on a random line bet. Secs 17 & 20 Set - temporary 1/4 sec. Cor.
79.40	Intersect D.R.S. line 1/4 lbs N. of Cor. to Secs 16, 17, 20 & 21. thence S. run N 89° 50' W. on a true line bet. Secs 17 & 20.
87.40	Ascend along S. side of ravine.
39.70	Cross ravine. course N. E. ascend. Set - a trachyte 16x10x6 ins. 11 ins. in the ground for 1/4 sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base. 1 1/2 ft. high. N. of Cor. Pits impracticable
60.00	Ridge 400 ft. above Sec. Cor. bears N. E. descend.
77.40	Canon course N. Creek 2 lbs wide. flows N. ascend to
79.40	The Cor. to Secs 17, 18, 19 & 20. Land. rolling. Soil. Gravelly & Rocky. 3 rd rate. Timber. Scattering groves of aspen

Subdivision of S. 29. S. R. 2. W. Continued.

Land 7940 chs.

$189^{\circ} 53' W.$ on a random line bet. Secs 18 & 19.

40.00 Set temporary $\frac{1}{4}$ sec. Cor.

71.30 Intersect N.W. bdy. of Lp., at Cor. to Secs 15.

18.19. $E \frac{1}{2} 24.$ as heretofore described.

Then I run

$189^{\circ} 53' E.$ on a true line bet. Secs 18 & 19.

Descend in aspen brush.

81.30 Set a trachyte 16 x 10 x 7 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. W. of Cor. Pits impracticable.

57.46 Lodge, bear N. & $\frac{1}{2} W.$ descend gradually.

55.90 Enter aspens.

57.40 Leave aspens

61.00 Descend rapidly.

71.30 Thru Cor to Secs 17, 18, 19 & 20.

Land, rolling.

Soil. Gravelly & rocky, 3rd ratio.

Timber. Scattering aspens.

Mountainous land 71.30 chs.

Aug. 4". At this Cor. I set off $17^{\circ} 02' N.$ on the decl. arc; and at 12 $\frac{1}{2}$ m. l.m.t. observe the sun on the meridian the resulting lat. is $38^{\circ} 17' N$

$10^{\circ} 05' W.$ bet. Secs 17 & 18.

Descend along W. side of Canon.

10.00 Ascend.

25.00 Ridge, bears N.E. & S.W. descend.

40.00 Set a trachyte 16 x 10 x 5 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. W. of Cor. Pits impracticable.

62.86 Conglomerate ledges 12.5 ft. high, bear E. & N. descend.

65.50 Canon 500 ft. deep, course E.

66.20 Ascend.

80.00 Set a trachyte 16 x 10 x 5 ins. 11 ins. in the ground for Cor. to Secs 7, 8, 17 & 18, mark

Subdivision of T. 29. S. R. 2. W. Continued

Chains	4 notches on S. & 5 notches on E. edges; $\frac{1}{2}$ raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pits impracticable. Land. broken & rolling. Soil. Rocky. 4 th rate. No timber. Mountainous land 80 chs.
40.00	89° 50' E on a random line bet. Secs 8 & 17. Set temporary $\frac{1}{4}$ sec. Cor.
79.80	Intersect N. 8 th S. line at Cor. to Secs 8, 9, $16 \frac{1}{2}$, 17. Fence I run 89° 50' W. on a line line bet. Secs 8 & 17. Descend along S. slope
31.00	Ravine. course S. E. ascend.
39.90	Set a trachyte 17x11x8 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, $\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable. Ridge. bears N. E. 8 th S. W.
66.00	Top of ledges. 100 ft. high. bear N. W. 8 th S. E.
73.00	Foot of ledges. descend to
77.00	The Cor. to Secs 7, 8, 17 & 18.
- 79.80	Land. broken. Soil. Rocky. 4 th rate. No timber. Mountainous land 79.80 chs.
40.00	89° 53' W. on a random line bet. Secs 7 & 18. Set temporary $\frac{1}{4}$ sec. Cor.
70.90	Intersect N. 8 th S. line of Lg. & chs. S. of Cor. to Secs 7, 12, 13 & 18. as heretofore described. Fence I run 89° 58' E. on a line line bet. Secs 7 & 18.
30.90	Descend along S. side of Canyon. Set a trachyte 18x10x7 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stony 2 ft. base, $\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable.

Subdivision of T. 29 S. R. 2. W. Continued.

- 70.90 Cor. to Secs. 7. 8. 17 & 18.
Land broken.
Soil. Rocky. 4th rate.
No timber.
Mountainous land 70. 90 chs.
Aug 4th 1897. At this cor. I set off 58° 18' on the lat. arc, 17° N. [✓]
in the decl. arc, and determine a true meridian with the solar alt. 5^h 17^m. 6^s.
No. 03 N. lat. Secs. 7 & 18.
Ascend
2.50 Foot of ledges 100 ft. high. bears E 87^W.
16.00 Top of ledges. ascend
35.00 Top of ridge. bears E 8^W. descend
40.00 Set a trachyte 16 x 9 x 4 ins. 11 ins. in the
ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N.
face; and raised a mound of stone
2 ft. base, $\frac{1}{2}$ ft. high. W. of Cor. Pit
impracticable.
47.60 Gulch. course E. ascend.
60.00 Ridge. bears 4. E. $\frac{1}{2}$ N. descend.
80.00 Set a trachyte 14 x 10 x 5 ins. 9 ins. in the
ground for cor. to Secs. 5 & 6. 7 & 18, marked
S-notches on S. & E. edges; and raised
a mound of stone 2 ft. base, $\frac{1}{2}$ ft. high.
W. of Cor. Pit impracticable.
Land broken.
Soil. Rocky. 4th rate.
No timber.
Mountainous land 88 chs
- August 4th 1897
- 189° 50' E. on a random line bet. Secs 5 & 18.
Set temporary $\frac{1}{4}$ sec. Cor.
79.90 Intersect W. P. S. line 20 chs S. of cor. to
Secs 4, 5, 8 & 9,
thence I run
West on a true line bet. Secs 5 & 18.
Descend rocks of boulders.
3.30 Ravine. course S. E. ascend.
39.05 Point of ridge, bears S. Set a trachyte
12 x 10 x 8 ins. 8 ins. in the ground for $\frac{1}{4}$ sec.
Cor. marked $\frac{1}{4}$ on N. face; and raised a
mound of stone 2 ft. base, $\frac{1}{2}$ ft. high. W. of
Cor. Pit impracticable.

Subdivision of S. 29. T. R. 2. W. Continued

- Then descend.
- 7.3.00 Rocky, prairie, crossed S. E. and to
79.90 The cor. to secs. 5. 6. 7 & 8.
Land. rocky.
Soil. rocky, & sterile.
No timber.
Mountains Land. 79.90 chs.
~~Aug. 10, 1917, at 8:55 a.m. C.M. C.S. at 45° 15' N. latitude
105° 10' W. on the declination and determine a true meridian with the value
58° 58' W. on a random line bet. secs.
6 & 7.~~
40.00 Set temporary $\frac{1}{4}$ sec. cor.
70.45 Intercept 1 $\frac{1}{4}$ bdy. of Sp. 5 like S. of Cor.
to secs 1. 6. 7 & 8. as heretofore described
thence I run
East on a true line bet. secs 6 & 7.
Along S. slope descending gradually.
15.45 Cross ridge, bearing S. E. $\frac{1}{4}$ N. W.
30.45 Set a trachyte 12 x 12 x 8 ins. 8 ins. in the
ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face;
and raised a mound of stone, 2 ft. base
1 ft. high. N. of Cor. Pits impracticable.
57.00 Enter & scattering aspens.
57.75Leave aspens.
70.45 The cor. to secs 5. 6. 7 & 8.
Land. rolling.
Soil. rocky, & sterile.
Timber. scattering aspens.
Mountains Land. 70.45 chs.

60.03 W. on a random line bet. secs 5 & 6.
40.00 Set temporary $\frac{1}{4}$ sec. cor.
74.00 Intercept 1 $\frac{1}{4}$ bdy. of Sp. 7. 6. 5 chs. E. of the
Cor. to secs 5. 6. 7 & 8. I destroy all marks
pertaining to secs 5 & 6 from old cor. and
set a trachyte 14 x 12 x 8 ins. 9 ins. in the
ground for closing Cor. to secs 5 & 6. marked
C. C. on S. with 5 grooves on E. & 1 groove
on N. faces; and raised a mound of stone
2 ft. base 1 ft. high. N. of Cor. Pits
impracticable.
Thence I run S. 5° E. on true line bet. 5 & 6.

Subdivision of T. 29. S. R. 2. W. Continued.

Chains.	Descend 100 ft. Ravine, course E. ascend Ridge, bears N. E. & S. W. descend. Ravine, course N. E. ascend 100 ft. Ridge, bears N. E. & S. W. descend gradually Set-a brachyte 16 x 11 x 7 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone, 2 ft. base, 1 ft. high. W. of Cor. Pts. un- practicable.
- 94.50	The Cor. to Secs 5, 6, 7 & 8. Land, broken. Soil, Rocky, 4' to a loam. No timber. Mountainous land 94.50 chs.
	<u>August 5th 1897</u>

General Description.

The land is all mountainous that is embraced in this survey. The western part is mostly rolling, covered with a luxuriant growth of grass, with small groves of aspen, while the eastern part is more broken, covered with scrub cedars & pines.

Water is scarce, there being but few springs.

There is no animal found in the township.

There are no settlers nor improvement within the limits of this survey.

John J. Breckin
 Homer McCarty
 U. S. Deputy Surveyor.

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P.
of Subdivision of T. 29. S. R. 2. M.

From the cor. to Secs 10, 11, 14 & 15 which is
a sandstone $8 \times 10 \times 5$ mis. above ground
marked & witnessed as described by the
Surveyor General.

I now

Borth, on a running line bet. Secs 10 & 11

41.20 The old $\frac{1}{4}$ Sec. Cor. which is a sandstone
 $8 \times 12 \times 4$ mis. above ground, marked and
witnessed as described by the Surveyor
General, bears West-60 degs dist.

82.50 The cor. to Secs 2, 3, 10 & 11 as heretofore
described bears West-121 degs. dist.

Therefore the true course of this line is
No: 55' W. and the dist: 82.57 chs.

From the cor. to Secs 1, 2, 11 & 12, which is a
sandstone $6 \times 11 \times 7$ mis. above ground, marked
and witnessed as described by the Surveyor
General

I now

No: 34' E. on a running line bet. Secs 1 & 2.

40.60 The old $\frac{1}{4}$ Sec. Cor. bears West-64 degs dist.
which is a granite $6 \times 9 \times 6$ mis. above ground
marked and witnessed as described by the
Surveyor General,

81.95 The cor. to Secs 1, 2, 33 & 36, as heretofore
described bears West-129 degs dist.

Therefore the true course of this line is
No: 15' W. and the dist: 81.95 chs.

July 31st 1897.

From the cor. to Secs 3, 4, 33 & 34, on S. bdy,
of P. as heretofore described

I now

Borth on a running line bet. Secs 33 & 34

40.90 The old $\frac{1}{4}$ Sec. Cor. which is a sandstone
 $7 \times 10 \times 7$ mis. above ground, marked and
witnessed as described by the Surveyor
General bears West-70 degs dist.

81.90 The cor. to Secs 27, 28, 33 & 34, as heretofore
described bears West-143 degs dist. Therefore
the true course this line is N. W. and the dist 81.90 chs.

0

Subdivision of T. 29. S. R. 2. W. Continued.

name	North on a running line bet. Secs 27 & 28.
41.00	The old $\frac{1}{4}$ sec. cor. which is a sandstone 6×8 mrs. above ground, marked and witnessed as described by the Surveyor General. bears Merit-71 chs. dist:
82.00	The cor. to Secs 21, 22, 27 & 28, as heretofore described bears Merit-143 chs. dist: Therefore the true course of this line is $81^{\circ} 47'$ W and the dist. 82.01 chs.
40.65	North on a running line bet. Secs 21 & 22. The old $\frac{1}{4}$ sec. cor. which is a sandstone $6 \times 12 \times 6$ mrs. above ground, marked and witnessed as described by the Surveyor General. bears Merit-69 chs. dist:
81.30	The cor. to Secs 15, 16, 21 & 22, as heretofore described bears Merit-142 chs. dist: Therefore the true course of this line is $81^{\circ} 51'$ W. and the dist. 81.51 chs.
40.60	North on a running line bet. Secs 15 & 16. The old $\frac{1}{4}$ sec. cor. which is a granite $6 \times 10 \times 6$ mrs. above ground, marked & witnessed as described by the Surveyor General. bears Merit-82 chs. dist:
81.20	The cor. to Secs 9, 10, 15 & 16, as heretofore described. bears Merit-165 chs. dist: Therefore the true course of this line is $81^{\circ} 10'$ W. and the dist. 81.22 chs
<u>August 1, 1897</u>	
40.60	No 32 On a random line bet. Secs 10 & 15. The old $\frac{1}{4}$ sec. cor. bears N 11 1/2 E chs. dist:
81.22	The cor. to Secs 10, 11, 14 & 15. bears N 22 1/2 E chs. Therefore the true course of this line is $87^{\circ} 55'$ W. and the dist. 81.25 chs.

Subdivision of S. 24. S. R. 2. W. Continued.

From the cor. to Secs 1. 2. 11 & 12 as
described, I now

89° 55' N. on a running line bet. sec's 2 & 11
59.50 Thru Sec. cor. on line

79.10 Th cor. to Secs 2 & 11 as heretofore
Therefore the true course of this line is
89° 55' N. and the dist. 79.10 chs.

mt-5" 189

John J. Breckin
Thomas M. Ganty
U. S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, United States Deputy Surveyor, do
solemnly swear that, in pursuance of a contract received from
United States Surveyor General for bearing date of the
..... day of 189 , I have well, faithfully, and truly, in my own
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
General for the Manual of Surveying Instructions, and the laws of the
United States, surveyed all those parts or portions of

..... of the
meridian, in the of which are represented in the
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said and sworn to before me }
this day of 189 }

cccccc
S E A M S
cccccc

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Valhalla City Plat, March 13, 1899

*Sgt. Wm. H. Frazee, D. C. West off the Valhalla Base and
Division, Eccles*

Exhibited by October 27, 1899, having been
under examination No. 208, dated October 20th, 1899, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Jas. A. T. B. R. C.
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in
..... has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-249

FIELD NOTES

R. J. B.

OF THE SURVEY OF

*West & North boundaries of T. 28 S.**Sec. 1. W.*Of the *Salt Lake Meridian*, Meridian,*State of Utah.*

AS SURVEYED BY

*John C. French, Commonwealth Surveyor, United States Deputy Surveyor,*Under ~~this~~^{the} Contract No. 208, dated October 20th, 1896Survey commenced August 5th, 1897Survey completed August 5th, 1897

6-151

N. Poly. high 1-01-70' m. obs 000-
 N. " " " 78-45' 00"

City - N. W. 5th & E. Palace - 19-13-68 ✓

Names and Duties of Assistants.

Alex Morrison Chairman

C. H. Morrison Chairman

Thomas Bates Axeman & Moundman

In preliminary affidavits see book "B"

BOOK A-249

INDEX DIAGRAM.

Township , *Range*

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	20	28	27	26	25
31	32	33	34	35	30

Meanders Page

Preliminary Oaths of Assistants.

We,, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pine, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we are to measure, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chairman

, Chairman

Subscribed and sworn to before me this }
day of, , 189 }

CCCCCO
O SEAL O
CCCCCO

We,, and

do solemnly swear that we will well and truly perform the duties of mountmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Mountman

, Mountman

Subscribed and sworn to before me this }
day of, , 189 }

CCCCCO
O SEAL O
CCCCCO

We,, and

do solemnly swear that we will well and truly perform the duties of axmen in the cutting of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman

, Axman

Subscribed and sworn to before me this }
day of, , 189 }

CCCCCO
O SEAL O
CCCCCO

I,, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman

Subscribed and sworn to before me this }
day of, , 189 }

CCCCCO
O SEAL O
CCCCCO

West boundary of T. 28. S. R. 1 West.

Chain

Survey commenced August 5th 1893 and executed with a Gunley Mountain transit with solar attachment, to completed a book. D.

Just 5th Ad. 8 h 10^m A. M. Com. to set off 38° 24' from the lat. arc; 16° 49' N. on the decl. arc, and determine a true meridian with the solar at the cor. to Secs 1, 6, 7 & 1/2 on N. bdy. of T. 28. S. R. 1. W. which is a granite 10x8x6 ins. above ground, marked and witnessed as described by the Surveyor.

Thence I run

North bdy. Secs 1 & 6. Var. 15° 01' E.

Entire scattering Cedars and pines, ascend 100 ft.

- 4.90 Ridge, bears E & W. descend
14.00 Gulch, 100 ft. deep, course E. ascend.
31.70 Gulch 50 ft. deep 2 chs. wide. course E.
40.00 Set a sandstone 14x10x8 ins. 10 ins. in the d for 1/4 sec. Cor. marked 1/4 on N. face, raised a mound of stone 2 ft. base, 1/2 ft. high. N. of Cor. Site impracticable.
40.70 Ridge, bears E & W. descend 200 ft. to
58.80 Ravine, course E. ascend
80.00 Set temporary cor. to Lps. 27 & 28. S. R. 5.
1 & 2 W. which I this day destroy and make permanent after survey of N. bdy. of this township at
81.70 The cor. to Lps. 27 & 28. S. R. 5. 1 & 2 W.
Land broken.
Soil. Rocky, & saline.
Timber. Scattering cedar & pine.
Mountainous land 81-70 chs.

Portion bounded of T. 28. S. R. 1. N.
by

Diams.	From the temporary cor. to Lps 27 & 28. S. R. 1 & 2 N.
I run	East on a random line bet. Secs 6 & 31.
40.00	at temporary $\frac{1}{4}$ sec. cor.
78.45	Intersect 17 ^{1/2} chs. S. of the cor. to Secs 5 & 6 31 & 32. which is a granite 10x15x12 ins. above ground, marked and witnessed as described by the Surveyor General. thence I run
	West on a true line bet. Secs 6 & 31 descend gradually
2.65	Road road. bears N.W. & S.E.
4.70	dry wash 30 lbs wide, 3 ft. deep. course S. E. Enter scattering cedars and pines. ascend
36.00	Point of ridge. bears N.E. Descend
40.00	at a sandstone 16x14x6 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. Marked $\frac{1}{4}$ on N. face, from which
	A pine 10 ins. in diam. bears S 20° W. 33 lbs dist. marked $\frac{1}{4}$ S. B.T.
	A pine 8 ins. in diam. bears N 60° E. 16 lbs. dist. marked $\frac{1}{4}$ S. B.T.
111.00	Ravine. 80 ft. deep. course N.W. ascend,
- 78.45	at a limestone 18x12x10 ins. 12 ins. in the ground for cor. to Lps 27 & 28 S. R. 1 & 2 N. marked
	27 S. on N.W.
	1.91 on S.E.
	28 1 on S.W. $\frac{1}{2}$
	2 07 on N.W. faces; with 6 notches on each edge; from which
	C. pine 12 ins. in diam. bears N 49° E. 44 lbs dist. marked T. 27. S. R. 1. N. S. 31. B.T.
	2 cedar 20 ins. in diam. bears S 7. 40° E. 15 lbs dist. marked T. 28. S. R. 1. N. S. 6. B.T.
	2 pine 10 ins. in diam. bears S 33° W. 19 lbs dist. marked T. 28. S. R. 2. N. S. 1. B.T.
	A cedar 18 ins. in diam. bears N 10° 20' W. 87 lbs dist. marked T. 27. S. R. 2. N. S. 36. B.T. Limb. broken.

North boundary of S. 28. S. P. 1. W. Continued

Ro. of 4 miles.
Timber. Scattering Cedars and pines.
Mountainous land 78.45 chs.

August 5th 1897

Boundaries of S. 28 S. P. 1. W.

Latitudes, Departures and Closing errors.

Line designated as	True bearing	Distance	Latitude		Departure	
			North	South	East	West
South boundary	N 89° 00' E	479.90	837		179.83	
East boundary	E 70° 43' W	480.11	480.07			6.08
North boundary	West	483.25				483.25
West boundary	south	81.70		81.70		
West boundary	S 2° 11' E	82.67		82.51	3.16	
West boundary	S 0° 53' E	80.60		80.49	1.29	
West boundary	S 1° 26' E	245.80		245.72	6.14	
Commissary						57
			488.44	490.42	490.41	489.82
			488.44	489.82		
			Error in lat: 1.98		Error in Departure: 5.9	

Note: For General Description, see sub-division of this township.

John T. Breckinridge
Homer M. Carty
U. S. Deputy Surveyors.

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Survey of
South boundaries of T. 28. S. R. 1 W.
E. M. Smith

ans.

Aug. 22nd 1897. At 7^h, 0^m A. M. L. m. b. I set off 38° 20' N on the lat. arc; 11° 37' N on the decl. arc; and determine a true meridian with the solar. at the cor. of Sps 28 3/4 29. S. R. 5 1/2 which is a granite 7x12x10 in. above ground marked and witnessed as described by the Surveyor General.

Thence I run

N 89° 46' E. on a resurvey line along the S. body of T. 28. S. R. 1. W. finding most of the corners in place on this line and at 79.83 chs. the cor. to Sps 28 3/4 29. S. R. 5, 1/2 E. on the Salt-Lake Meridian which is a sandstone 10x10x10-in. above ground bears North 6.43 chs. dist.

Therefore the true course of this line is N 89° E. and the dist. 179.90 chs.

Aug. 22nd 1897

Aug 23, 1897: At 7^h, 0^m = A. M. L. m. b. I set off 38° 20' N on the lat. arc; 11° 16' N on the decl. arc; and determine a true meridian with the solar. at the cor. to Sps 28 3/4 29. S. R. 5 1/2 1/2 E. on the Salt-Lake Meridian. as I described.

Thence I run

North on a resurvey line bet. 1/2 1/2 1/2 E. on the Salt-Lake Meridian, finding all the cor. on line bet. old cor., and at 480.07 chs. the cor. to Sps 27 1/2 28 1/2 1/2 1/2 E. bears West 6.00 chs. dist. which is a granite 6x12x6 in. above ground, marked and witnessed as described by the Surveyor General.

Therefore the true course of this line is N 0° 43' W. and the dist. 480.07 chs.

Aug 23rd 1897

From

From the cor. to Sec 5 1/2 1/2 1/2 on N. body. of sp. as heretofore described

I run

East on a resurvey line bet. Sec 5 1/2 1/2 At 40.00 chs could find no trace of old cor.

North & West Boundaries of U. S. A. R. I. 97

Draw	<p>82.00 Chs. the cor. to Secs 4. 5. 32 & 33, which is a granite 8x12x12 ins. above ground, marked and witnessed, as described by the Surveyor General.</p> <p>Therefore the true course of this line is East and the distance 82.00 chs.</p> <hr/> <p>East on a running line bet. Secs 4 & 33.</p> <p>The $\frac{1}{4}$ sec. cor. which is a granite 6x9x9 ins. above ground, marked & witnessed as described by the Surveyor General, at N. W. cor. of pole fence.</p> <p>The cor. to Secs 3. 4. 33 & 34, which is a granite 6x9x8 ins. above ground, marked and witnessed as described by the Surveyor General.</p> <p>Therefore the true course of this line is East and the distance 82.80 chains.</p>
Aug. 5 " 1897	
Aug. 21" 1897. At 7.20 A. M. C. m. b. I set off $58^{\circ} 24'$ for the lat. acc, $11^{\circ} 57' N.$ on the decl. acc; and determine a true meridian with the solar al. the cor. to Secs 1. 2. 7 & 12. on N. bdy of L. as heretofore described.	
Thence I run	
South on a running line bet. Secs 7 & 12.	
No trace of old $\frac{1}{4}$ sec. cor.	
The cor. to Secs 7. 12. 13 & 18. bears East- $5^{\circ} 55'$ dist:	
	<p>The true course of this line therefore is $12^{\circ} 11' E.$ and the dist: 82.57 chs.</p> <hr/> <p>South on a running line bet. Secs 13 & 18.</p> <p>The $\frac{1}{4}$ sec. cor. bears East-$64'$ chs dist:</p> <p>The cor. to Secs 13. 18. 19 & 24. bears East-$12^{\circ} 44'$ dist:</p> <p>The true course of this line therefore is $10^{\circ} 55' E.$ & the dist. 80.50 chs.</p>

Resurvey of
West boundary of T. 28 S. R. 1. M.

- names. South on a resurvey line bet. Secs 17 & 24.
41.00 Thw 1/4 sec. cor. bears East-102 the dist.

83.17 The cor. to Secs 19-24-25 & 30. bears East-208 the
dist.
Therefore the true course of this line is S 1° 56' E
of the dist. 83.20 chs.

41.00 South on a resurvey line bet. Secs 25 & 30.
Thw 1/4 sec. cor. bears East-102 the dist.

81.97 The cor. to Secs 26-30-31 & 36. bears East-207 the
dist.
Therefore the true course of this line is S 1° 56' E
of the dist. 82.00 chs.

South on a resurvey line bet. Secs 31 & 36.
40.80 Thw 1/4 sec. cor. bears East-101 the dist.
80.58 The cor. to Lps 28 & 29 S. R. 1 & 2. M. bears
East 202 the dist.
The true course of this line therefore is
S 1° 26' E. and the distance 80.60 chs.

John J. Breckon
Homer M. Early
U. S. Deputy Surveyor

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Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by _____

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

....., Chainman.

....., Chainman.

....., Moundman.

....., Moundman.

....., Axman.

....., Axman.

....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

....., United States Deputy Surveyor, in surveying all those parts or portions of the _____

..... of the base
and meridian, of which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

....., Chainman.

....., Chainman.

....., Moundman.

....., Moundman.

....., Axman.

....., Axman.

....., Flagman.

Subscribed and sworn to before me this _____
day of _____, 180 _____ }



Final Oath of United States Deputy Surveyor.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

of the _____ base and _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me this }
..... day of _____, 189_____ }

OOOOO
O SEAL O
OOOOO

APPROVAL.

Office of the United States Surveyor General,

Valley City, N.D., March 13, 1899

The foregoing field notes of the survey of *The 1st & 2d Sections of the 1st & 2d Range 1 W. of the S. & S. R. Base Line, Dredge Creek*

executed by *Elias T. Prentiss & Son, Jr. & Co.*
^{Reg.} under contract No. *208*, dated *October 20, 1896*, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob T. Blaine
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

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X.3.B.

BOOK A-249

FIELD NOTES

OF THE SURVEY OF

West & North boundaries of 1/2 sec. 11, T. 10 N.

Of the Salt Lake Base Meridian,

State of Utah

AS SURVEYED BY

John J. Breckinridge Thomas McElroy United States Deputy Surveyors
 Under ~~this~~ Contract No. 208, dated October 20th, 1896

Survey commenced August 5th, 1897

Survey completed August 7th, 1897

6-151

W. Post - (Right) 5-78-40 ✓ / ^{4°}

N. " (Left) 2-79-90 ✓ / ^{4°}

Antrojones E. Post - 5-76-00 ✓

Names and Duties of Assistants.

C. G. Garrison Chairman

C. G. Garrison Chairman

John Davis Chairman of Grounds

Supplementary affidavits see book B.

A-249

275-R1W-

(169)

high
N. Bdry -
m. chs. bks -
1-00-00 ✓
1-00-00 ✓
1-00-00 ✓
1-00-00 ✓
1-00-00 ✓
78-40 ✓

N. Bdry -

high

m. chs. bks.

1-00-00 ✓
1-00-00 ✓
79-90 ✓

5-78-40 ✓ 2-79-90 ✓

E. Bdry
Petrochemical Corp -

m. chs. bks -

5-76-00 ✓

Preliminary Oaths of Assistants.

WE,

and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman.

, Chainman.

Subscribed and sworn to before me this _____
day of _____, 189 }

○○○○○
○ SEAL ○
○○○○○

WE,

and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this _____
day of _____, 189 }

○○○○○
○ SEAL ○
○○○○○

WE,

and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this _____
day of _____, 189 }

○○○○○
○ SEAL ○
○○○○○

I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 }

○○○○○
○ SEAL ○
○○○○○

West Bound of T. 27. S. R. 1. W.

- Sunny commenced August 5th 1897 with
Parley Mountain transit with solar attachment.
August 5th: At 4th P.M. l.m. b. I set off 38°
25' N. of the lat. arc; 16° 44' W. on the decl. arc;
and determine a true meridian with the
solar at the cor. to l.h.s. 27° 28' S. R. 1^W
2. W. In complete test solar D. 115°. 01' E
thence I run
North bet. Secs 31 & 36.
Entire scattering cedars & pines. ascend.
14.00 Ridge, bears E 1/2 N. descend 150 ft. to
Ravine. course N.E. ascend.
36.00 Point of ridge 100 ft. high. descend.
40.00 Set a sandstone 16 x 14 x 10 ins. 11 ins. in the
ground for 1/4 sec. Cor. marked 1/4 on W. face;
and raised a mound of stone 2 ft. base, 1/2 ft.
high. W. of Cor. Site impracticable.
48.40 Wood road, bears N.W. 1/2 S. E.
49.60 Bottom of ravine. course S. E. ascend.
50.00 Set a sandstone 18 x 10 x 8 ins. 12 ins. in the
ground. for cor. to Secs 25. 30. 31 & 36. marked
1 notch on S. and 5 notches on W. edges; and
raised a mound of stone 2 ft. base, 1/2 ft.
high. W. of Cor. Site impracticable.
A cedar 24 ins. in diam. bears
dist. marked T. 27. S. R. 1. W. S. 30. B. T.
A pine 16 ins. in diam. bears T 18° 25' N. 92
E. dist. marked T. 27. S. R. 1. W. S. 25. B. T.
No other bearing trees within limits.
Land broken.
Soil. Rocky. 4 parts.
Timber. Scattering Cedars and pines.
Mountainous land 80. chs.
Aug 5th 1897
bet. Secs 25 & 30.
Entire scattering cedars & pines. ascend 300 ft. to
19.50 v. bears N.W. 1/2 S. E. descend 200 ft.
37.00 end of hollow. course S. ascend.
40.00 Set a liachyte 16 x 8 x 6 ins. 11 ins. in the ground
1/4 sec. Cor. marked 1/4 on W. face; and raised
a mound of stone 2 ft. base, 1/2 ft. high. W. of

West Boundary of C. 27d. R. 1. N. Cont'd.

Time	Cor. Pts. impracticable.
40.00	Ridge. bears N.W. & E. descend.
- 80.00	Dist. a. trachyte 14x8x6 inns. 10 ins. in the ground. for Cor. to Secs 19, 24, 25 & 30. marked 2 inches on N. & 4 inches on S. edges; and raised a mound of stone 2 ft. base, 1 ft. high. W. of Cor. Pts. impracticable. Land. broken.
	Soil. Rocky, 4 ft. soil.
	Timber. Scattering cedars & pines.
	Mountainous land. 80 chs.
<hr/>	
	North. Sec. 19 & 24.
	Enter scattering Cedars & pines. descend 400 ft.
10.00	Enter bottom. Cannon road. bears N.W. & N.E.
10.75	Fox Creek 15 lbs wide. 6 ins. deep. courses N. E. ascend 300 ft. to
20.75	Foot of ledge 80 ft. high. bears N.W. & N.E.
27.00	Top of ledge. ascend gradually
40.00	Dist. a trachyte 24x16x8 inns. 18 ins. in the ground for 1/4 sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1 ft. high. W. of Cor. Pts. impracticable.
42.50	Point of ridge. falls W. descend.
49.00	Ravine. course W. ascend.
78.50	Head of gulch. course S. W.
- 80.50	Dist. a trachyte 14x12x8 inns. 10 ins. in the ground for cor. to Secs 13, 18, 19 & 24. marked 3 inches on N. E. S. edges; and raised a mound of stone 2 ft. high. W. of Cor. Pts. impracticable. A fine 10 ins. in diam. bears \$47.30 E. 90 lbs. Dist. marked T. 27. S. 13. 1. 17. 5. 19. 13. T.
	A fine 4 ins. in diam. bears \$45.17 40 lbs. Dist. marked T. 27. S. 13. 2. 17. 5. 24. 13. T. No other bearing trees within limits. Land. broken.
	Soil. Rocky, 4 ft. soil.
	Timber. Scattering Cedars and pines.
	Mountainous land 80 chs.

West Boundary of Dist. S. P. L. C. Continued.

Chains:	North bet. Secs 15 & 18. Entire scattering Cedars and pines. ascend. about 200 ft.
15.00	Ridge. bears N. E. & N. W. descend do. ft.
17.00	Gulch. course S. W. ascend 100 ft.
30.00	Ridge. bears N. E. & N. W. descend.
40.00	Set a trachyte 20 x 12 x 4 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face and raised a mound of stone 2 ft. base. 1 ft. 1/2 ft. high. W. of cor. Site impracticable.
51.50	Gulch. course E. W. ascend along, meeting ridge bearing E.
58.00	Fork of same gulch. course E. W. ascend do.
76.00	Ridge. bears E. & W. descend.
80.00	Set a granite 14 x 14 x 14 ins. 10 ins. in the ground for cor. to Secs 7, 12, 13 & 18. marked 4 notches on E. end 2 notches on S. edge; and raised a mound of stone 2 ft. base. 1 ft. high. W. of cor. Site impracticable.
	Wood. broken.
	Soil. Rocky, 44 th miles.
	Timber. Scattering cedar & pine, mountainous land 80. ch.

August 6. At the cor. to Secs 7, 12, 13 & 18.
I set off 16° 2' & 5" on the decl. of, and
at 12 m. from E. observe the sun on the
meridian. the resulting lat. is 38° 2' 9.5"
thence I run

North bet. Secs 7 & 12.

Entire scattering cedars and pines. descend
11.00 Ravine. course S. W. ascend.
40.00 Set a granite 16 x 12 x 7 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base. 1/2 ft. high. W. of cor. & is impracticable.
46.00 Ridge. bears N. E. & N. W. ascend & meeting
54.00 Wood road. bears N. E. & N. W.
60.00 Rocky point. bears N. 1 chain dist. descend 600 ft.

West-bound' of S. 27. S. R. I. W. Continued.

-	80.00	- a granite 18x14x6 ins. 12 ins. in the ground for Cor. to Secs 1, 6, 7 & 12, marked 5 notches on E. and 1 notch on N. edges; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Pts. impracticable. Ridge bears $38^{\circ} 15' 15''$ W about 13 chs. dist. Land. broken. Soil. Rocky. 4 th rate. Timber. Scattering Cedars and Pines. Mountainous land 80. chs.
		North lat. Secs 1 & 6.
	14.00	On the scattering cedars & pines. ascend Ridge. bears E & W. descend
	40.00	Set - a granite 20x12x6 ins. 16 ins. in the ground for 1/4 sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Pts. impracticable.
	41.00	Greenwich Creek Cañon. 600 ft. below ridge. course S. E.
	41.10	Greenwich Creek 10 chs wide. flows S. E. Ascend 600 ft.
	70.00	Ridge. bears E & W. descend gradually
	80.00	Set temporary cor. to Ops. 26 & 27. R's 1 & 2 W. which on August 7. I destroy and make permanent at
-	78.40	The cor. to Ops. 26 & 27. R's 1 & 2 W. as described in Survey of N. Lat. of S. 27. S. R. I. W. Land. rough and broken. Soil. Rocky. 4 th rate. Timber. Scattering Cedars & pines. Mountainous land on 78.40 chs

August 6" 1897

Aug. 7. At 7 $\frac{1}{2}$ 30" A. M. C. m. I. set off
 $38^{\circ} 30'$ N on the Lat. arc. $16^{\circ} 16'$ N on the decl. arc. and determine a true meridian with the solar at the temporary Cor. to Ops 26 & 27. R's 1 & 2 W.

North Boundary of T. 27 S. R. 1. W.

aims	<p>From the temporary Cor. to Lts. 26 & 27. R. 1 & 2. W.</p> <p>I run</p> <p>East on a random line along the N. bdy. of T. 27 S. R. 1. W. setting temporary 1/4 sec. and sec. cor. at intervals of 40 and 80 chs. and at 239.90 chs. intersect 1.60 chs. N. of the cor. to Secs 3, 4, 33 and 34, which is a granite 8x12x7 ins. above ground. marked and witnessed as described by the Surveyor General. Thence I run</p> <p>West on a true line bet. Secs 4 & 33. Enter scattering cedars and pines. ascend gradually.</p>
8.00	Point of ridge. bears S. descend 100 ft.
14.00	Head of gulch. course S. ascend 300 ft.
30.00	Ridge. bears E. & S. descend 150 ft.
38.00	Gulch. course S. ascend.
40.00	Set a sandstone 18x16x10 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; from which
	A pine 7 ins. in diam. bears N 86° W 6 lbs dist. marked 1/4 S. B. T.
	A pine 8 ins. in diam. bears S 65° W 10 lbs dist. marked 1/4 S. B. T.
80.00	Set a limestone 18x12x8 ins. 12 ins. in the ground for cor. to Secs 4, 5, 32 & 33. marked 4 notches on E. and 2 notches on W. edges; from which
	A cedar 24 ins. in diam. bears N 64° 30' E 30' lbs. dist. marked T. 26. S. R. 1. W. 5. 33. B. T.
	A pine 8 ins. in diam. bears S 8° 30' E 57 lbs dist. marked T. 27. S. R. 1. W. 5. 4. B. T.
	A pine 12 ins. in diam. bears S 54° 30' W 25' lbs. dist. marked T. 27. S. R. 1. W. 5. 5. B. T.
	A pine 12 ins. in diam. bears N 80° W 62 lbs dist. marked T. 26. S. R. 1. W. 5. 32. B. T.
	Land. broken.
	Soil. Rocky. 4' slate.
	Timber. Scattering Cedars & pines.
	Mountainous land 80 chs.

North Bound' of S. 24. S. R. 1. M. Continued.

time.	Aug 7, 1897. At this cor. I set off 16° 13' N. on the decl. arc; and at 12 ^h M. C. m. t. observe the sun on the midline the resulting lat is 38° 50' N
	West - on a true line bet. Secs 5 & 32. Enter scattering Cedars and pines. ascend 100 ft.
6.00	Ridge. bears NW ^E S. descend
27.40	Wood road. bears NW ^E S.
36.00	Enter bottom.
37.75	Canon road. bears NW ^E S. C. leave cedars and pines. enter cottonwood
39.20	North Fork of Greenwich Creek 5 lhos wide 6 mis. deep. flows S. E.
40.00	Set a sandstone 16 x 10 x 8 mis. 11 mis. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1/2 ft. high. N. of Cor. Pile impracticable. A cottonwood 8 mis. in diam. bears S 69° W 26 lhos dist. marked 1/4 S. B. T. No other bearing trees available.
43.00	Leave Cottonwood. enter scattering cedar and pine. ascend 800 ft.
68.00	Top of steep hill. ascend gradually
80.00	Set a trachyte 24 x 12 x 10 mis. 18 mis. in the ground for cor. to Secs 5. 6. 31 & 32. marked 5 notches on E & 1 notch on N. edges; and raised a mound of stones 2 ft. base, 1/2 ft. high. N. of Cor. Pile impracticable Road. broken. Soil. rocky & sandy. Timber scattering Cedar, pine & Cottonwood. Viomontinus bound 80 chains.
	West - on a true line bet. Secs 6 & 31. Enter scattering cedar and pine. ascend gradually.
40.00	Set a trachyte 12 x 10 x 6 mis. 8 mis. in the ground for 1/4 Sec. Cor. Marked 1/4 on N. face; and raised a mound of stones 2 ft. base, 1/2 ft. high. N. of Cor. Pile impracticable. Ridge. 600 ft. above Sec. Cor. bears NW ^E S. descend 150 ft.
47.00	

North bound of T. 27. S. R. 1. W. Continued.

56.00 Ravine. Course S. W. ascend.
 65.00 Point of ridge. 15-0 ft. high. bears S. descent.
 70.00 Ravine. course S. E. ascend 200 ft. to
 79.90 Set a trachyte 20x15x10 ins. 15 ins. in the
 ground for Cor. to Lps. 26 & 27 S. R. 1. E. N.
 marked
 26.5. on N.E.
 100. on S.E.
 27.5 on SW^{2d}
 2 W. on N.W. faces; with a notch on N. E.
 E. W. edges; and raised a mound of stone
 2 ft. base, 1/2 ft. high. S. of Cor. Pit impracticable
 Destroyed temporary cor. set Aug 6.
 Hand. broken.
 Soil. Rocky 4th ratio.
 Timber. Scattered Cedars and pines.
 Mountainous land 79.90 chs.
 6 met. " 189

Note; For General Description see subdivision
 of this township.

Boundaries of T. 27. S. R. 1. W.

Latitude. altitudes & errors.

in designated as in being	Dist:	Latitude	Chartures
		North Star	East West.
South boundary	Back ¹	483.25	483.25
	No: 11 E.	316.00	315.99
East boundary	North	160.00	160.00
	1589.10 W.	245.99	3.58
North boundary	West	239.90	
West boundary	South	478.40	478.40
Convergency			
		479.57 478.40	484.25 486.45
		478.40	484.25

Error in Lat. 1.17, Error in dep. 2.20,

John J. Bruckow
 Homer Mc Carty
 U. S. Deputy Surveyor

East Boundary of T. 27 S. R. 1. E. & R. 1. W.

Shows

From the Cor. to S. 26^E/27 S. R. 1. E. & R. 1. W.
on the Salt Lake Meridian which is
a granite 6x12x10 ins. above ground
marked and witnessed as described by
the Surveyor General.

I run

South on a running line bet. R 1 E & R.
1. W. finding all the corners in place but
out of alignment and at 3 miles. 75.99 chs.
intersect 1.00 ch. E. of the cor. to Secs 19, 24,
25 & 30. as heretofore described. from this
cor. I continue South. and intersect the
sec. and 1/4 sec. corrs. at 40 and 80 chs. at
2 miles intersect the Cor. to Sps 27 & 28
S. R. 1. E & 1. W. as heretofore described.
The true course of this line will therefore
be North 100 chs. thence N 0° 11' E 316.00 chs.

John J. Breckon
Homer McGeary
U.S. Deputy Surveyors

Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

_____ of the _____ base and _____ meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 _____ }



Final Oath of United States Deputy Surveyor.

[Signature] **United States Deputy Surveyor**

I, *[Signature]*, **United States Deputy Surveyor**, solemnly swear that, in pursuance of a contract received from the **United States Surveyor General** for *[Signature]*, day of *[Signature]*, 18*[Signature]*, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the **United States Surveyor General** for *[Signature]*, the **Manual of Surveying Instructions**, and the laws of the **United States**, surveyed all those parts or portions of *[Signature]* of the *[Signature]* and *[Signature]* meridian, in the *[Signature]* of *[Signature]*, which are represented in the foregoing field notes as having been surveyed by me, and under my directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the **Manual of Surveying Instructions**, and the special written instructions of the **United States Surveyor General** for *[Signature]*, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will incur the penalty of perjury under the provisions of an Act of Congress approved August 5, 1816.

[Signature] **United States Deputy Surveyor**

Subscribed by said *[Signature]*, and sworn to before me this

[Signature] day of *[Signature]*, 18*[Signature]*

50000
S-1128
Successo

APPROVAL.

Office of the United States Surveyor General,

[Signature] **March 12, 1859**

The foregoing field notes of the survey of *[Signature]* **of the West Branch of the Allegheny River, from the mouth of the Loyalhanna River to the Ohio River, in the State of Pennsylvania**, executed by *[Signature]*, under *[Signature]* contract No. *[Signature]*, dated *[Signature]*, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

[Signature]
Jacob B. Blaine
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in *[Signature]*, has been correctly copied from the original notes on file in this office.

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BOOK A-249

Xo. 3. B.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision of S. 27th R. 1. W.

of the Salt Lake Base and Meridian,
State of Utah.

AS SURVEYED BY

John J. Beckon & Homer H. Early, United States Deputy Surveyors,
under their Contract No. 208, dated October 20th, 1896

Survey commenced August 6th, 1897

Survey completed August 10th, 1897

6-151

Sides - (high) 16-16-69' / 69' 19'
 " (low) 5-52-50' / " 19'
 Closings - - 52'

Contingent 4-76-70'

NAMES AND DUTIES OF ASSISTANTS.

Alex. Morrison Chairman

C. H. Morrison Chairman

Joseph Johnson Chairman

Chas. Bohman Chairman

Thomas Balis Oxeman & Moundman

Joseph Zollig Oxeman & Moundman

In preliminary affidavits see book "C"

6-151

Volume

#

R0249

A-249

Secto-

T 27.5-117-

185

height
m. ch. 115 - m. ch. 115 m. ch. 115
1-00-00 /
1-00-08 /
40-06 r
1-00-00 /
1-00-10 /
40-05 /
40-00 ✓
38-00 /
40-40 / 1-72-00 /
70-30 / 1-80-70 /
70-00 / 32-00 /
36-60 / 42-80 r
1-00-00 / 22-90 /
70-70 /
1-00-00 /
18-30 / 60-50 r
1-00-00 /
70-10 /
1-00-10 /
70-10 / 20-52 /
70-10 / 60-52 /

16-16.69 / 5-52-50

Ridgeman County -

M. ch. 115 -

70-20 /
1-00-00 /
1-00-00 /
70-10 /
1-00-00 /
4-76-70 ✓

✓ 372

✓ 372
✓ 64

PRELIMINARY OATHS OF ASSISTANTS.

WE, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

....., Chainma

....., Chainma

Subscribed and sworn to before me this }
day of , 189 }



WE, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

....., Moundma

....., Moundma

Subscribed and sworn to before me this }
day of , 189 }



WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn and other duties, according to instructions given us, to the best of our skill and ability, in the survey

....., Arm

....., Arm

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flag

Subscribed and sworn to before me this }
day of , 189 }



Subdivision of J. L. T. S. P. I. M.

Chains

Survey commenced August 6th 1897 and executed with a Turley Mountain transit & Turley Survey no transit each with solar attachment. To completed see book Dof.

Aug 6th - At 8^h 10^m = A. M. C. m. I set off 38°. 20' from the lat. arc; 16°. 53' N. on the decl. arc; and determine a true meridian with the Solar. at the cor. to Secs 1. 2. 35 & 36. on S. side of M. which is a granite 6 x 10 x 5 ms. above ground. marked and witnessed as described by the Surveyor General.

Thence I run

No. 01 N. bet. Secs 35 & 36. Var. 15°. 01' E.

Ascend gradually

20.00 Top of ascend. bears E & W. descend gradually

40.00 Set a brachyte 12 x 10 x 8 ms. 10 ms. in the ground for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable.

42.00 End of gulch. course 185° W. ascend gradually

62.50 Trail. bears E & W.

80.00 Set a brachyte 12 x 12 x 8 ms. 8 ms. in the ground for cor. to Secs 25. 26. 35 & 36. marked 1 notch on S & E. edges; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable.

and. rolling top of mountain.

Trail. Gravelly & rocky. 3rd rate.
No timber.

Mountainous land. 80 chs.

East on a random line bet. Secs 25 & 36,

40.00 Set temporary 1/4 sec. cor.

80.08 Intercept E. side of M. at cor. to Secs 25. 30. 31 & 36. which is a granite 8 x 10 x 8 ms. above ground. marked and witnessed as described by the Surveyor General.

Thence I run

Subdivision of T. 27 S. R. 1. W. Continued.

Chains.	West - on a true line bet. Secs 25 & 36. Ascend gradually Top of divide between Grass & Rabbit Valleys. bears N. E. & S. descend gradually Set a granite 12 x 8 x 6 ins. 8 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable. Trail. bears N. E. S.
- 80.08	The cor. to Secs 25. 26. 35 & 36. Land, rolling top of mountain Soil. Gravelly and rocky. 3 rd rate. No timber. Mountainous land 80.08 chs.
40.06	West - on a random line bet. Secs 26 & 35 Intersect the $\frac{1}{4}$ Sec. Cor. bet. Secs 26 & 35 which is a granite 8 x 12 x 6 ins. above ground marked and witnessed as described by the Surveyor General. Hence I run East - on a true line bet. Secs 26 & 35 from the $\frac{1}{4}$ Sec. Cor. Descend west-slopes about 800 ft. to The cor. to Secs 25. 26. 35 & 36. Land. rolling. Soil. Rocky. 4 th rate. No timber. Mountainous land 40.06 chs.
26.00	100.01 N. bet. Secs 25 & 26. Ascend gradually. Rocky ridge. bears N. E. & S. W. descend.
31.00	Rocky gulch. course N. ascend
40.00	Set - a granite 18 x 14 x 10 ins. 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable. Hence along N. slope of mountain.
- 80.00	Set - a granite 16 x 12 x 10 ins. 11 ins. in the ground for cor to Secs 23. 24. 25 & 26. Marked

Subdivisions of T. 27 S. R. 1 W. Continued.

names.

2 notches on S. and 1 notch on E. edges; and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. File impracticable.
Land rolling.
Soil. Rocky. 4 inches.
No timber.
Mountainous land 80-100 acres.

40.00	East on a random line bet. Secs 24 & 25 Set temporary 1/4 sec. Cor. Entered E. side of gl. 5 lbs N. of cor. to secs 19, 24, 25 and 30, which is a granite 6x8x6 mns. above ground, marked and witnessed as described by the Surveyor General. Hence I run N 87° 0' 8" W. on a true line bet. Secs 24 & 25. Ascend gradually
50.00	Set a granite 16 ft 12 x 10 mns. 11 mns. in the ground for 1/4 sec. Cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. File impracticable.
45.00	Top of hillside bet. Grass & Rabbit Valleys. Bear N. E. of S. W. descent gradually.
64.50	Trail. bears N. E.
80.10	The cor. to Secs 23, 24, 25 & 26. Land rolling. Soil. Granular & rocky. 3 inches. No timber. Mountainous land 80-100 acres.

40.00	West on a random line bet. Secs 23 & 26. Entered the 1/4 sec. Cor. bet. Secs 23 & 26, which is a granite 8x12x9 mns. above ground, marked and witnessed as described by the Surveyor General. Hence I run East on a true line bet. Secs 23 & 26. Ascend W. slope of mountain.
10.00	Entire scattering Cedars & pines.
40.00	The cor. to Secs 23, 24, 25 & 26.

Subdivision of S. 27. T. R. I. W. Continued:

Chano.	<p>Land. broken. Soil. Rocky, 4' brali. Timber. Scattering Cedars and pines. Mountainous land 40.05 chs.</p>
40.00	<p>No. 01 W. on a random line bet: Secs 23 & 24 Intersect 21 chs E. of the $\frac{1}{4}$ sec. cor. bet: Secs 23 & 24, which is granite 5x13x6 ins. above ground, marked and witnessed as described by the Surveyor General. Thence I run S. 0.19 E. on a line line bet: Secs 23 & 24 from the $\frac{1}{4}$ sec. cor.</p>
4.00	<p>Enter scattering Cedars and pines. descend Gulch. course W. ascend</p>
33.00	<p>Ridge. bears E. and W. descend</p>
36.00	<p>Small gulch. course W.</p>
40.00	<p>The cor. to Secs 23. 24. 25 & 26. Land. broken. Soil. Rocky, 4' brali. Timber. Scattering Cedars and pines. Mountainous land. 40. chs</p>

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From the cor. to Secs 8. 9. 16 & 17. which is a
granite 7x15x9 ins. above ground, marked
& witnessed as described by the Surveyor
General.

Thence I run

No. 03 W. bet: Secs 8 & 9.

Ascend gradually over bottom.

17.00 Hollow. course E. ascend gradually

18.60 Wood road. bears E & W.

20.98 Wood road. bears E & W.

37.00 Steeper ascent. leaves bottom.

37.65 Wood road. bears E & W.

40.00 Set a sandstone 18x18x14 ins. 12 ins. in the
ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face;
and raised a mound of stone, 2 ft. base
1 $\frac{1}{2}$ ft. high. W. of Cor. also impracticable.

46.00 Ridge. 200 ft. high. bears E & W. enter
scattering Cedars. descend.

Subdivision of U.T.F.S.P.L.V. Continued

Chains	
50.00	Gulch. course E. ascend.
52.00	Road road. bears E. 3° W.
60.00	Ridge. 300 ft. high. bears E. 3° W. descend.
70.00	Enter bottom.
80.00	Set-a sandstone 18x16x14 mrs. 10 mrs. in the ground, for cor. to Secs 4, 5, 8, 9 1/4 marked 6 notches on S. & 4 notches on E. edges; and raised a mound of stone 2 ft. base. 14 ft. high. N. of Cor. Plot impracticable.
83.10	Road. bottom and broken.
83.50	Soil: Granilly and rocky & slate.
84.00	Timber. Scattering Cedars and pines.
84.50	Moutainous land 33. chains.
85.00	East on a random line bet. Secs 4 & 9.
86.00	Set temporary 1/4 sec. cor.
87.70	Intersect N. E. S. line 25 lbs. N. of cor. to Secs 3, 4, 9 & 10. which is a granite 7x5x10 mrs. above ground, marked and witnessed as described by the Surveyor General. thence I run
88.50	N 89° 50' W. on a true line bet. Secs 4 & 9.
89.00	Enter bottom.
90.20	Road. bears N 2° E.
90.80	Fence bears N 2° E. enter field.
91.70	Arthur Parsons House bears N 80° W. 4.50 lbs
92.40	Fence. bears N 2° E. leave field
93.40	Hitch 6 lbs wide. 5 mrs. deep. flows S. E.
94.30	Set-a sandstone 16x12x8 mrs. 11 mrs. in the ground for 1/4 sec. cor. marked 1/4 on N. faces, and raised a mound of stone 2 ft. base. 14 ft. high. N. of Cor. Plot impracticable.
95.70	Road. bears N 2° E. E.
95.70	Descend 80 ft.
97.60	Road. bears N 2° E. E. enter bottom
98.90	Greenwich Creek 8 lbs wide 5 mrs. deep flows S. E. ascend 80 ft.
99.20	Slope of ascent. enter flat.
99.70	Road road. bears N. W. and S. E. as the cor. to Secs 4, 5, 8 & 9.
100.70	Land. bottom.

Subdivision of J. L. J. F. T. W. Continued

Chains	Soil. Gravelly & rocky. 3 rd rate. No timber.
40.00	No. 03 N. on a random line bet. Secs 4 & 5. Set temporary $\frac{1}{4}$ sec. cor.
77.95	Entered N. body of Lp. 43 chs. N. of Cor. to Secs 4.5. 32 & 33. Previously described thence I run
10.00	So. 16' W. on a true line bet. Secs 4 & 5. Enter scattering Cedars and pines. descend Head of gulch 400 ft. below Sec. cor. course E., ascend.
20.40	Road, bears N.W. & S.E.
25.00	Ridge. bears NW & S.E. descend,
37.95	Set a Sandstone 12x10x5 ins. 8 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. N. of Cor. Rd impracticable.
45.40	Enter bottom, leaves cedar & pine.
48.60	Greenwich Creek. 8 lbs wide, 5 ins. deep. flows S.E.
48.60	Wood road. bears NW & S.E. ascend 80 ft.
54.00	Top of ascent. enter flat.
56.85	Wood road. bears NW & S.E.
60.45	Wood road. bears NW & S.E.
77.95	On cor. to Secs 4.5. 8 & 9. Land. broken and bottom, Soil. Rocky 4 th rate.
	Timber. scattering Cedars and pines. Mountainous land 40-40 chs.
	<u>August 4th 1897.</u>
	August 4 th . At 7 th A.M. L.M.T. I set off 38° 26' in the lat. arc; 16° now the decl. arc; and determine a true meridian with the solar at the cor. to Secs 29.30.31 & 32. which is a granite 6x10x7 ins. above ground marked and witnessed as described by the Surveyor General.
	thence I run
	West-on a random line bet. Secs 30 & 31.
40.00	Set temporary $\frac{1}{4}$ sec. cor.

Subdivisions of U.S.T.S. S.P.L. W. Continued.

79.30	Sinked W. side of hill & the S. of same Secs 25-30-31 & E. boundary described. thence N. run S 84° 58' E. on a line from sec. 25 & 31. Enter cedar and pines, ascend 500 ft. to Ridge. bears N. E. S. decl. 500 ft. Foot of steep descent, descend gradually and in scattering cedars and pines. Set a limestone 16 x 12 x 6 in. 11 in. in the ground for 1/4 Sec. Cor. marked by on N. face, and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. 1 ft. impenetrable. Wood road. Bear N. E. 1/2 S. W. The Cor. to Secs 29-30-31 & 52. Land broken. Soil. Rocky, gravel. Timber. Cedar & pine. Mountainous land 79.30 chs.
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N. 0° 03' W. bet. Secs 29 & 51.

Enter scattering cedar and pines, over fence
sloping E.

1.00	Wood road. bears N. E. 1/2 W.
12.20	Wood road. bears E. 1/2 W.
40.00	Set a sandstone 18 x 12 x 6 in. 12 in. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1/2 ft. high. N. of Cor. 1 ft. impenetrable.
44.40	Road. bears NW 1/2 E.
44.80	Hitch 5 lbs wide. 6 in. deep. flows E.
45.00	Fence. bears NW 1/2 S. E. enter field.
57.00	Leave field. descend 50 ft.
58.00	Enter bottom and willow brush.
59.00	Box Creek 10 lbs wide. 4 in. deep. flows E.
62.00	Leave bottom and brush. ascend. enter field.
66.25	Hitch 6 lbs wide. 5 in. deep. flows E.
69.00	Fence bears E. 1/2 W. leaves field.
69.50	Road. bears E. 1/2 W.
80.00	Set a sandstone 16 x 12 x 6 in. 11 in. in the ground for cor. to Secs 19-20-29 & 50. marked 2 matches on S. and 5 matches on E. sides;

Subdivisions of C. 27 S. R. 1 N. Continued

	Chains and raised a mound of stone 2 ft. high. 16 ft. high. W. of Cor. Post impracticable. Carlos Anderson's house bears S 50° E. 16.50 chs. Vacant house bears S 61° 30' E. 32.50 chs. Land. bottom of bench. Soil. Rocky and gravelly. 4 th rate. Timber. Scattering Cedars & pines. Dense willow brush on S. chs.
38.00	East - on a random line bet. Secs 20 & 29 Intersect 22 lbs. S. of the 1/4 sec. cor. bet. Secs 20 & 29, which is a granite 8x12x12 ins. above ground, marked and witnessed as described by the Surveyor General. Hence I run N 84° 40' W. on a true line bet. Secs 20 & 29 from the 1/4 sec. cor. Enter scattering Cedars and pines on S. slope of ridge. Wood road. bears N. W. and S. E. The cor. to Secs 29-20-29 & 30 Land. bench. Soil. Rocky. 4 th rate. Timber. Scattering Cedars and pines.
32.52	
38.00	
40.00	N 84° 58' W. on a random line bet. Secs 19 & 30. Set temporary 1/4 sec. cor.
78.40	Intersect N. side of Ch. 16 lbs. W. of cor. to Secs 19-24-25 & 30. Granite fine described. Hence I run N 84° 55' E. on a true line bet. Secs 19 & 30. Enter scattering Cedars and pines. descend 500 ft.
11.00	Gulch. comes N. E. ascend.
16.10	Point of ridge. falls N. descend.
22.60	Gulch. comes N. ascend.
27.10	Point of ridge. falls N. descend.
36.60	Leave Cedars and pines. enter bottom. and Cottonwood timber.
3940	Set a Sandstone 18x12x10 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. high.

Subdivisions of S. 27 S. R. 1. W. Continued

40.05	glo. N. of Cor. Pits impracticable. No bearing trees within limits.
44.80	Ditch 5 lhos wide, 10 min. deep. flows E. E.
52.10	Box Creek 20 lhos wide 12 min. deep. flows E.
53.10	Cañon road. bears NW $\frac{1}{4}$ S. E.
55.00	Leave bottom, and Cottonwood, enter scattering Cedars and pines. ascend 60 ft.
58.05	Top of ascent. descend gradually over bench dry wash. course S. W.
7940	The Cor. to Secs 19. 20. 29 $\frac{1}{2}$ 30.
36.60	Land broken.
42.80	Soil. Rocky & gravelly. 4' thal.
	Timber. Scattering Cedars, pines & Cottonwood, mountainous land 36.60 chs.

0.05' W. bet. Secs 19 $\frac{1}{2}$ 20.	
Entire scattering cedar and pines, ascend	
0.50	dry wash course S. W. from N.
9.00	Leave wash.
17.00	Road. bears N. W. $\frac{1}{4}$ S. E.
26.00	Point of ridge. 100 ft. above Sec. Cor. bears N. E. Off S. W. descend.
34.00	Head of gulch. course N. E. ascend
40.00	Set-a sandstone 16 x 12 x 8 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face; from which
	A pine 12 ins. in diam. bears N 86° 30' W 57° Dist. marked $\frac{1}{4}$ S. B. T.
	A pine 16 ins. in diam. bears S 74° W. 60 lhos dist. marked $\frac{1}{4}$ S. B. T.
80.00	Set-a sandstone 18 x 16 x 14 ins. 12 ins. in the ground for Cor. to Secs 17. 18. 19 $\frac{1}{2}$ 20. marked 3 notches on S. and 5 notches on E. edges; and raised a mound of stone 2 ft. base 1 ft. high. N. of Cor.
	A cedar 12 ins. in diam. bears N 82° 30' E 50 lhos dist. marked T. 27. S. R. 1. W. S. 17. B. T.
	A cedar 12 ins. in diam. bears N 37° E. 61 lhos dist. marked T. 27. S. R. 1. W. S. 20. B. T.
	A cedar 20 ins. in diam. bears N 11° W 25 lhos dist. marked T. 27. S. R. 1. W. S. 18. B. T.
	No other bearing trees within limits

Subdivision of T. 27. S. R. 1. W. Continued

Chains	Land. broken Soil. Rocky, 4 th sat. Timber. Scattering Cedars and pines Mountainous land 80. chs
	<u>August 8th 1897</u>
40.00	Cast on a random line bet. Secs 17 & 20. Set temporary $\frac{1}{4}$ sec. cor.
77.95	Intersect N. E. S. line 21 lks S. of cor. to Secs 16-17. 20 $\frac{3}{4}$ 21. which is a granite 8x10x10 ins above ground. marked and witnessed as described by the Surveyor General, thence I run
	$88^{\circ} 51' W.$ on a true line bet. Secs 17 & 20
	Ascend over bench
21.00	Point of ridge. falls S. descend 50 ft.
29.00	dry wash 20 lks wide. 3 ft. deep. course S. enter flat
35.15	dry wash 20 lks wide. 3 ft. deep. course S. E. Ascend.
37.95	Set a sandstone 16x12x10 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. to Sec. 17. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable.
40.00	Set a sandstone 16x12x10 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. to Sec. 20. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable.
58.00	Enter scattering cedars and pines.
66.95	Point of ridge. bears S. descend 100 ft.
76.55	Gulch. course S. E. ascend to
77.95	True Cor. to Secs 17, 18, 19 $\frac{3}{4}$ 20. Land. bench.
	Soil. Rocky & Gravelly, 4 th sat. Timber. Scattering cedar and pines
40.00	$89^{\circ} 55' W.$ on a random line bet. Secs 18 & 19 Set temporary $\frac{1}{4}$ sec. cor.
79.70	Intersect N. body. of Gp. ab. cor. to Secs 13, 18, 19 $\frac{3}{4}$ 24. hereinbefore described thence I run

Subdivision of T. 27. S. R. 1. W. Continued.

	N 87° 35' E. on a line line bet. Secs 18 & 19. Enter cedars & pines. ascend 400 ft. to Top of ridge. bears N. 2/4 S. descend 200 ft; Head of hollow. course N. E. ascend gradually Set - a Sandstone 18x10x5 ins. 12 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N. face; from which A cedar 18 ins. in diam. bears N 40° W 18° N dist. marked 1/4 S. B. T. A cedar 8 ins. in diam. bears N 89° E 40° N. dist. marked 1/4 S. B. T. Ridge. bears N 2/4 S. descend 300 ft. to The cor. to Secs 17, 18, 19 & 20. Land. broken. Soil. Rocky, 4 ft. slate. Timber. Cedars and pines. Mountainous land 79.70 chs.
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No. 03 W. bet. Secs 17 & 18.

2.00	Enter cedars and pines. descend 20 ft. Gulch. course S. E. ascend about 50 ft. to Ridge. bears NW 2/4 S. E. descend 30 ft. Gulch. course S. E. ascend.
3.00	Ridge. 800 ft. high. bears NW 2/4 S. E. descend.
4.00	Set - a sandstone 18x10x8 ins. 12 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N. face; from which A cedar 8 ins. in diam. bears N. 17° W 42° N dist. marked 1/4 S. B. T.
5.00	A cedar 18 ins. in diam. bears S 29° E 18° N dist. marked 1/4 S. B. T.
6.00	Head of hollow. course E. ascend
7.00	Point of ridge. bears N. E. descend.
8.00	Set - a Quartzite 18x16x14 ins. 12 ins. in the ground for cor. to Secs 7, 8, 17 and 18. marked 4 notches on S. and 5 notches on E. edges; from which A cedar 10 ins. in diam. bears N 5° E 39° N dist. marked T. 27. S. R. 1. W. S. 8. B. T.
	A pine 10 ins. in diam. bears S 32° E. 30°

Subdivisions of T. 27 S. R. 1. M. W. Continued

Chains.	<p>Gas dist: marked T. 27 S. R. 1. M. W. 5. 17. 19. 7. A cedar 12 mins. in diam. bears 79° 77. 37 lbs dist: marked T. 27 S. R. 1. M. W. 5. 18. R. T. A cedar 10 mins. in diam. bears 79° 60' 77. 55 Gas dist: marked T. 27 S. R. 1. M. W. 5. 17. R. T. Land: broken. Soils: Rocky & Gravelly. Timber: Sp. has and pines. Mountainous land 80' abs.</p>
40.00	<p>Foot temporary 4 sec. Con. Sustained 78° 78' 78" abs. of cor. to Sec 8. 9. 10 77. as hereinbefore described. Then up to 80° 56' M. on a low bank. Sec 8 77. Ascend gradually over bench. Wood road. bears 78° 74' 78".</p>
29.20	Gulch. coarse 78. 8.
33.20	Same road. bears 78. 8 78. 7. with scattering Cedars and pines.
38.80	Foot a sandstone 18x14x9 ins. 12 min. in the ground for 1/2 sec. Con. marked 76 on N. face, from which A cedar 18 mins. in diam. bears 78. 41' 77. 55 lbs dist: marked 74. 8. R. T.
	A cedar 18 mins. in diam. bears 78. 45' 78. 45 lbs dist: marked 74. 8. R. T.
60.50	Gulch. coarse 7. 8. ascend steep hillside same bench.
65.30	Foot of bluff 50 ft. high. bears 78. 77' 78. 8.
65.40	Lip of bluff. ascend gradually to
78.80	The cor. to Sec 7. 8. 17 78. 18. Land: broken. & bench. Soil: Rocky & Gravelly & Gravel. Timber: Scattering Cedar and pines. Mountainous land 18.30 abs.
	18.30 60.50
40.00	<p>180°. 65' 77' on a sandstone bank. 77. 18. A. temporary 4 sec. Con. Sustained 78. 60' of 78. 18 abs. of cor. to</p>

Subdivisions of T. 24. S. R. 1. W. Continued

name	Secs 7, 12, 15, & 18. hemisiphon described things I run East on a true line bet. Secs 7 & 18. Enter scattering Cedars and pines, ascend Ridge. bears N. E. & S. W. descend gradually Set a sandstone 18x12x10. ins. 12 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face; from which A pine 24 ins. in diam. bears $N 56^{\circ} W 22^{\circ}$ E. dist. marked $\frac{1}{4}$. S. B. T. A pine 15 ins. in diam. bears $S 58^{\circ} - 30^{\circ} E$ 16 ins dist. marked $\frac{1}{4}$ S. B. T. In head of gulch. course S. W. ascend Ridge. bears N E. S. descend 300 ft. to The cor. to Secs 7, 8, 17 & 18. Land. broken. Soil. Rocky & gravel. Timber. Scattering Cedars and pines. Mountainous land 79.80 chs.
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August 2 " 1894.

August 10" at 4.30^m. A. M. I. m. t. I set off
 $38^{\circ} 28'$ Now the lat. arc; $15^{\circ} 25' W.$ on the decl.
 arc; and determine a true meridian with
 the solar. at the cor. to Secs 7, 8, 17 & 18.
 things I run

No $^{\circ} 03' W.$ bet. Secs 7 & 18. Var. $15^{\circ} 08' E$
 Enter scattering cedars and pines, descend
 100 ft. to

8.50	Head of hollow. course E. ascend
16.60	Wood road. bears N. E. & S. W.
25.00	Ridge. bears N. E. & S. W. leave timber, descend 200 ft. to
38.00	Head of hollow. course W. ascend gradually
40.00	Set a trachyte 16x12x10 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, 1 ft. high. W. of Cor. Bits impracticable
63.00	s. bears N. W. & S. E. descend gradually,
66.70	Wood road. bears N. E. & S. W.
78.60	Gulch. course N. W. ascend to
80.00	Set a granite 16x12x8 ins. 11 ins. in the

Subdivision of C. 2 T. 8 R. 1 W, Continued.

Shins	ground for cor. to Secs 5-6-7 $\frac{3}{4}$ 18. marked 5 notches on S. and E. edges, and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pts. impracticable. Land. broken. Soil. Rocky, 4 th ratio. Timber. Scattering Cedar and pine. Mountainous land 83. chs.
40.00	N 89° 36' E. on a random line bet. Secs 5 & 18. Set temporary $\frac{1}{4}$ sec. cor.
79.10	Intersect W. and E. line 10 ft. S. of cor. to Secs 4, 5, 8 $\frac{3}{4}$ 14. Thence S run S 89° 55' W. on a true line bet. Secs 5 & 18. Ascend about 275 ft. to
12.00	Ridge. bears NW $\frac{1}{2}$ S. E. entir scattering cedars and pines. descend 100 ft. to
20.00	Head of gulch. course S. ascend 500 ft. to
30.00	Ridge. bears NW $\frac{1}{2}$ S. E. entir flat.
31.25	Road. bears N. W. $\frac{1}{2}$ S. E. ascend.
37.80	Same road. bears N 89° 55' W.
39.10	Set a triachyle 18x12x8 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked 5 on N. face, and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pts. impracticable. Same road. bears NW $\frac{1}{2}$ S. E.
61.00	Ridge. bears NW $\frac{1}{2}$ S. descend. leave timber
63.75	Same road. bears N 89° 55' W.
- 79.10	Line cor. to Secs 5-6-7 $\frac{3}{4}$ 18 Land. broken. Soil. Rocky, 4 th ratio. Timber. Scattering Cedar & pine. Mountainous land 79.10 chs.
40.00	West on a random line bet. Secs 6 & 7 $\frac{3}{4}$ 17. Set temporary $\frac{1}{4}$ sec. cor.
80.10	Intersect W. side, of Sp. at cor. to Secs 11, 6, 7 $\frac{3}{4}$ 12, precipice described Thence S run East on a true line bet. Secs 6 & 7.

Subdivision of C. 27. S. P. 1. N. W. Continued.

Chains	Enter scattering cedar & pines. ascend 100 ft. to
9.00	Ridge. bears N. W. $\frac{3}{4}$ S. E.
10.00	descend
40.10	Set-a trachyte 12 x 10 x 9 ins. 8 ins. in the for 1/4 sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1 ft. ft. high. N. of Cor. Pits impracticable.
60.00	Ravine 450 ft. below ridge. course N. E.
64.00	Fork of same ravine. course N. ascend.
70.00	Point of ridge. 80 ft. high. falls N. descend
73.00	Fork of same ravine. course N. N. ascend to
80.10	The cor. to Secs 5. 6. 7 $\frac{3}{4}$ S. E. Land, broken. Soil. Rocky and gravelly. 4 th rate, Timber. Scattering cedars and pines. Mountainous land 80.10 chs,

August 10: At the cor. to secs 5. 6. 7 $\frac{3}{4}$ S. E.
I set-off 15° 20' N. on the decl. arc; and at
12. M. I. m. L. observe the sun on the
the resulting lat. is 38° 29' N

Thence I run

70° 03' N. on a random line bet. Secs 5 & 6,

40.00	Set temporary 1/4 sec. cor.
78.10	Intersect N. bdy of Lp. 32 ths E. of the cor. to Secs 5. 6. 31 $\frac{3}{4}$ S. E. (impracticable) Set-a trachyte 18 x 14 x 10 ins. in the ground for closing Cor. to Secs 5 $\frac{3}{4}$ S. E. marked C.C. on S. with 5 grooves on E. $\frac{3}{4}$ 1 groove on W. faces; and raised a mound of stone 2 ft. base, 1 ft. high. S. of Cor. Pits im- practicable. destroy all marks on old cor. pertaining to Secs 5 & 6.
	Thence I run
	70° 03' E. on a true line bet. Secs 5 & 6.
	Enter scattering Cedars and pines. descend about 600 ft. to

34.90	Enter bottom. canon road. bears E $\frac{3}{4}$ N. W. have cedars & pines.
35.35	Greenwich Creek, 10 lbs wide. 4 ins. deep, flows E. ascend
38.10	Set-a granite 16 x 14 x 11 ins. 11 ins. in the

Subdivisions of T. 29 S. R. 1. W. Continued

Chains	
	ground for Yr. Sec. Cor. marked N. on M. face, and raised a mound of stone 2 ft. base, 1/2 ft. high. N. of Cor. Pits impracticable.
53.60	Top of bluff 100 ft. high. bears N.W. $\frac{1}{4}$ S.E.
53.80	Top of bluff 500 ft. above creek. ascend off Ridge. bears N.W. $\frac{1}{4}$ S.E. descend 200 ft. to
62.00	Sec. Cor. to Secs 5. 6. 7 & 8. Land broken.
78.10	Soil. Rocky. H. Thal. Timber. Scattering Cedar & Pine. Mountainous land 78.10 chs.

August 10th 1897

General Description.

The land in the eastern portion of this township under our survey is all high mountains, unfit for agriculture but is good grazing land being covered with a luxuriant growth of grasses. The western portion is high mountains, bench & bottom land, mostly covered with scrub cedars and pines, the mountains and bench are very rocky and unfit for either agriculture or grazing. The bottoms are gravelly which by irrigation will produce good crops.

Carlos Anderson has a house and is living in the N.W. of Sec. 29, and he has several acres under cultivation. Arthur Parsons has a house and other improvements in the S.E. of Sec. 4 & N.E. of Sec. 9. on land originally claimed by Wm. F. Wright DE 1922 Greenwich Creek in the North west part of the township and Box Creek which runs south east through Secs 19. 29 & 30. each have streams of pure, clear water all of which is used for irrigation.

There is no animal found in the township. The sun was obscured during most of time while making this survey, impossible to get by with the solar.

John V. Breckin

Homer M. Larty

U. S. Deputy Surveyor.

Survey of Subdivision of T. 27 S. R. 1. W.

From the cor. to secs 29. 30. 31 & 32, as
hereinbefore described

I run

East on a resurvey line bet. secs 29 & 32,

39.00 The old $\frac{1}{4}$ sec. cor. on line.

78.20 The cor. to secs 28. 29. 32 & 33.

From the cor. to secs 16. 17. 20 & 21, as
hereinbefore described

I run

North on a resurvey line bet. secs. 16 & 17.

40.00 Its trace of old corner.

80. The cor. to secs 8. 9. 16 & 17. bears east
92 lks dist. making the true course of
this line $80^{\circ}40' E.$

From the cor. to secs 8. 9. 16 & 17.

I run

$N89^{\circ}42' E.$ on a resurvey line bet. secs
9 & 16.

40.40 The old $\frac{1}{4}$ sec. cor. bears N 22 lks dist.

80.40 The cor. to secs 9. 10. 15 & 16. bears N 43 lks
dist. makes the true course of this line
East and the distance 80.40 chs.

From the cor. to secs 3. 4. 9 & 10

I run

North on a resurvey line bet. secs 3 & 4

40.00 The old $\frac{1}{4}$ sec. cor. bears N. 18 lks dist.

78.10 The cor. to secs 3. 4. 9 & 10. bears N.
22 lks. dist. makes the true course of
this line $N0^{\circ}04' W.$

nat - 1 "18

From the cor. to secs 5. 6. 31 & 32. on
S. boundary of township.

I run

North. on a resurvey line bet. secs 3 & 32

40.00 The old $\frac{1}{4}$ sec. cor. bears E. 412 lks dist.

Resurvey of Subdivision of T. 27 S. R. 1 W.

Chains
80.00 The cor. to Secs 29. 30. 31 & 32 bears E.
84 chs dist:
The true course of this line is therefore
80° 56' E.

Joseph J. Beckow,
El Paso Co. County
C. I. Deputy Surveyor.

Volume

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

United States Deputy Surveyor

I, John P. Blackie & Sonia McIntyre, do solemnly swear that, in pursuance of a contract received from
United States Surveyor General for bearing date
the day of 189 , I have well, faithfully, and truly, in my
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
General for the Manual of Surveying Instructions, and the laws of
United States, executed all those parts or portions of

..... meridian, in the of which are represented in the
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor

Subscribed by said and sworn to before me }
this day of 189 }

800000
800000

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

At the City of Washington March 13, 189

The foregoing field notes of the survey of The Subdivision of Township 27
Range 10 of the State Land Survey Meridian, Illino

Received by John P. Blackie & Sonia McIntyre
under Contract No. 208, dated April 2d, 189 , having been
carefully examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

James B. Blaine
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
..... has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-249

H.J.B.

FIELD NOTES

OF THE SURVEY OF THE

West Boundary of T. 26 S. R. 1. W.

of the Salt Lake Baseline Meridian,
State of Utah.

AS SURVEYED BY

John T. Breckon & Horner Cartt, United States Deputy Surveyors
under his Contract No. 208, dated October 20th, 1896.

Survey commenced August 11th, 1897

Survey completed August 13th, 1897

6-151

W. Boundary (high) m. obs. 600-
crossings 5-74.04 ✓
8-08 ✓

Cartt - S. Poling - 3-05-99 ✓
5-14 Sd - Pol 5- 3-79-22

NAMES AND DUTIES OF ASSISTANTS.

Alex. Morrison Chairman

C. H. Morrison Chairman

Thomas Bates Axeman & Moundman

For preliminary affidavits - See book B-

6-151

Volume

#

R0249

A-249

(213)

T 265. R. 1 W.

<u>W-Bdry-</u> <u>high</u>	<u>Closings</u>	<u>Re-measurements</u>	<u>entire</u>
M-Chs. Chs.	M-Chs. Chs.	S-Bdry- 3-05-99 ✓	✓ M-Chs. Chs.
1- 00- 00 ✓			79- 72
1- 00- 00 ✓			79- 80 ✓
1- 00- 00 ✓			79- 80 ✓
1- 00- 00 ✓			79- 90 ✓
74- 04 ✓	8- 08 ✓		<u>3-79-28,</u>
<u>5-74.04 ✓</u>	<u>8-08</u>		<u>3-05-99 ✓</u>
			<u>7-05.20 ✓</u>

PRELIMINARY OATHS OF ASSISTANTS.

WE,

and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman.

, Chainman.

Subscribed and sworn to before me this _____
day of _____, 189 _____ }



WE,

and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this _____
day of _____, 189 _____ }



WE,

and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this _____
day of _____, 189 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 _____ }



West boundary of T. 26. S. R. 1. W.

Chains.	<p>Survey commenced August 10th 1897. and executed with a Farley mountain transit with solar attachment.</p> <p>Aug. 11. At 7.05th A.M. I. m. t. I set off 38° 30' N. of the lat. arc; 15° 07' W. of the decl. arc; and determine a true meridian with the solar, at the cor. to Secs 26 3/4 S. R. 5 1/2. W. which I established August 7th 1897. To complete test see book &c. f. thence I run</p> <p>North bet. secs 31 3/4 36. Dev 15° 30' E descend gradually over rolling top of mountain</p> <p>Head of hollow. course S. E. ascend set a sandstone 18x10x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stone. 2 ft. base 1 1/2 ft. high. W. of cor. Pit impracticable, top of ascent bears E 2/4 W. descend.</p> <p>Set a sandstone 18x16x10 ins. 12 ins. in the ground for cor. to Secs 25. 30. 31 3/4 36. marked 1 notch on S. and 5 notches on W. edges; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pit impracticable land. rolling.</p> <p>Soil. Rocky. 4 miles.</p> <p>No timber.</p> <p>Mountainous land 80. chains.</p>
	<p>North bet. Secs 25 3/4 30. descend gradually over rolling top of mountain.</p> <p>Hollow. course E. ascend 150 ft. to Point of ridge. bears S. E.</p> <p>Enter aspens.</p> <p>Ravine. 50 ft. deep. course S. E. leave aspens ascend.</p> <p>Set a sandstone 16x12x10 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pit impracticable</p>

West-Boundary of T. 26 S. R. 1. W. Continued.

Diams.	
42.50	Enter aspens.
50.00	Leave aspens.
56.00	Enter aspens.
60.00	Ridge. bears N.W. $\frac{3}{4}$ S.E. descend.
67.00	Gallow. course S.E. ascend.
77.00	Leave aspens.
- 80.00	Set a granite 18x12x8 in. 12 in. in the ground for cor. to secs 19. 24. 25 & 30. marked 2 notches on S. and 4 notches on N. edges; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. W. of Cor. Pits impracticable. Land, rolling. Soil, rocky. $\frac{1}{2}$ to 1 in. Timber, groves of aspen, mountainous land, 80 chs.
	North bit: secs 19 & 24. Ascend gradually over rolling top of mountain.
2.00	Enter aspens.
38.50	Ridge, about 150 ft. above sec. cor. bears E. and N. descend.
40.00	Set a sandstone 18x12x8 in. 12 in. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. W. of Cor. Pits impracticable. An aspen 6 in. in diam. bears N. 55° 40' E 28 chs. dist: marked $\frac{1}{4}$ S. B. T. No other bearing trees within limits Leave aspens.
54.00	Enter aspens.
58.00	Road. bears E & N.W.
62.00	Fork of same road, bears E & N.W. in gulch course N.E. 100 ft. deep, ascend.
68.00	Rocky point: falls E. enter spruce, descend along E. slope.
78.00	Leave timber.
- 80.00	Set a granite 16x10x10 in. 11 in. in the ground for cor. to secs 13. 18. 19 & 24. marked 3 notches on N. & S. edges; and raised a

West boundary of S. 26 S. R. 1. W. Continued.

mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. W. of Cor. This impracticable Land, rolling.
Soil. Rocky. 4 $\frac{1}{2}$ to 5.
Timber. Aspen and spruce.
Mountainous land 80 chs.
August 11. " at this cor. I set off 15° 52' N. on the decl. arc; and at 12 m. C. m. to observe the sun on the meridian the resulting lat. is 38° 33' N

North bel: sec 13 E/18.

Along E. slope.

- 6.00 Foot of granite bluff 80 ft. high. ascend.
- 8.00 Top of rocky point. falls E. descend.
- 9.50 Top of granite bluff 60 ft. high 1 $\frac{1}{2}$
- 10.00 Foot of bluff. enter aspen and spruce.
descend gradually 400 ft. to
- 25.40 Koosharem Creek 5 lds wide. 6-mo. deep.
flows S. E.
- 25.60 Wood road. bears NW $\frac{1}{4}$ S. E. leave timber
ascend
- 30.50 Enter scattering mahogany.
- 40.00 Set a trachyte 16 x 14 x 6 ins. 11 ins. in the
ground for 4 $\frac{1}{2}$ sec. Cor. marked $\frac{1}{4}$ on N.
face; and raised a mound of stone 2 ft.
base, 1 $\frac{1}{2}$ ft. high. W. of Cor. This impracticable
- 42.00 Leave mahogany.
- 74.00 Ridge. 800 ft. above Creek. bears NW $\frac{1}{4}$ S. E.
descend
- 77.00 Enter aspen bush.
- 78.00 Leave bush.
- 80.00 Set a granite 16 x 14 x 8 ins. 11 ins. in the
ground for Cor. to Secs. T. 12. 13 E/18. marked
4 notches on S. and 2 notches on N. edges;
and raised a mound of stone 2 ft. base,
1 $\frac{1}{2}$ ft. high. W. of Cor. This impracticable.
and, broken
- Soil. Rocky. 4 $\frac{1}{2}$ to 5.
- Timber. Aspen, Spruce & Mahogany.

West boundary of C. 26. S. R. 1. W.

Chas. Mountainous Land 80. chains

August 11th 1897

- Worth bet. Secs 7 & 12.
Ascend about 300 ft. to
7.00 Ridge. bears E. N. W. descend
9.00 Enter spruce and aspens.
23.00 Leave timber.
24.00 Canon 500 ft. below ridge. course N. Road
bears E. N. W. ascend gradually
30.00 Enter aspens.
40.00 Set a trachyte 18x14x10 ins. 12 ins. on
the ground for $\frac{1}{4}$ sec. cov. marked $\frac{1}{4}$ on
N. face, from which
An aspen 8 ins. in diam. bears N. 33° 10' W. 20
lbs. dist: marked $\frac{1}{4}$ S. E. T.
An aspen 15 ins. in diam. bears S. 25° 45'
42 lbs. dist: marked $\frac{1}{4}$ S. E. T.
51.00 Point of ridge. bears S. E. descend.
53.00 Head of gulch. course S. E. ascend
74.10 Leave aspens.
80.00 Set a sandstone 18x14x6 ins. 12 ins. in the
ground for Cov. 6. Secs 1. 6. 7 & 12. marked 5
notches on E. and 1 notch on N. edges; and
raised a mound of stone 2 ft. base 1 ft.
high. N. of Cov. Pilis impracticable.
An aspen 10 ins. in diam. bears S. 2° E. 110 lbs
dist: marked T. 2. 6. 5. R. 1. W. 5. 7. B. T.
An aspen 10 ins. in diam. bears S. 20° 30' W.
91 lbs dist: marked T. 2. 6. 5. R. 2. W. 5. 12. B. T.
Lnd. broken.
Soil. Rocky & gravelly & broken.
Timber. Aspens and Spruce.
Mountainous land 80. chs.

Worth bet. Secs 1 & 6.

Ascend.

- 2.00 Enter aspen brush.
40.00 Set a sandstone 18x10x8. ins. 12 ins. in the
ground for $\frac{1}{4}$ sec. cov. marked $\frac{1}{4}$ on N. face,
and raised a mound of stone 2 ft. base
1 ft. high. N. of Cov. Pilis impracticable.

West.

S. 26. S. P. I. W. Continued

- At this Cor. Aug 12, 1847. I set off 14:44th on
the decl. arc; and at 12th M. L. m. t. observe
the sun on the meridian. The resulting lat.
is $38^{\circ}35' N.$
- 53:00 Top. of divide betw. Devil's & Grass Valley,
bears N. E. $\frac{1}{2}$ N. leave aspen brush. enter
spruce & pine. descend.
- 74:0 Intersect the 5th Standard Parallel S.
at 8.08 chs west of the standard Cor. to
S. 25: S. R. 5 1/2 N. which is a brachyte
 $10 \times 16 \times 12$ ins. above ground. marked &
witnessed as described by the Surveyor
General.
Set a Granite $18 \times 12 \times 6$ ins. 12 ins. in
the ground for Closing Cor. to S. 26: S.
R. 5 1/2 N. marked
C.C. 26: S. on S.
1 W m E $\frac{1}{2}$
2. W. on N. faces; with 6 grooves on S. E.
E. N. faces. from which
A spruce 15 ins. in diam. bears $34^{\circ}20' E. 21'$
Chs. dist. marked T. 26. S. R. 1. W. 56. 13. T.
A white pine 24 ins. in diam. bears $34^{\circ}10' W.$
57 chs dist. marked T. 26. S. R. 2. W. S. 1. 13. T.
Land. broken.
Soil. Rocky, 4th rate.
Timber. Spruce & Pine, aspen brush on
5-5. chs.
Mountainous land 74.04 chs.

Aug. 12. 1847

Boundaries of S. 26. S. P. 1. T.

Line designated as	True bearing	Distance	Latitude		Departure	
			North	South	East	West
South boundary	East	239.90			239.90	
South boundary	S 89° 10' E	245.58			3.58	245.58
East boundary	North	480.00	480.00			
Fifth Standard Par. S.	West	407.58				407.58
Fifth Standard Par. I.	S 88° 41' W	79.70		1.83		79.70
West boundary	South	474.04		474.04		
Convergence			" "	" "		" "
			480.00	479.45	485.88	487.85
			479.45			485.88
					Error in Lat.	1.97
					Error in Dep.	

Note: For General Description, see subdivision of this township.

John J. Buckow
 Hooper McCarthy
 H. S. Deafney Surveyors.

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Survey of
Boundaries of T. 26 S. R. 1. M.

Outer Boundary

From the Cor. to Secs 3, 4, 5 & 34 as described

I run

East on a resurvey line along the S. side of the S. I find all the corrs on this line as returned in field notes of original survey.

at 245.98 chs. intersect the Fall Lake Meridian 3.58 chs. N of the Cor. to Lps 26 & 27. S. 88° W. 41 E. which is a granite 6x12x10. min. above ground. marked & witnessed as described by the Surveyor General.

The true course of this line is S 89° 10' E. the distance 245.99 chains.

Fifth Standard Parallel L.

From the Standard Cor. to Secs 34 & 35, which is a trachyte 6x10x8 min. above ground. marked & witnessed as described by the Surveyor General

Aug 13rd 1887 I set off 38° 53' N. from this lat. arc; 14° 30' W. on the decl. arc, and determine a line meridian with the index at 7 h 50' A.M. L.m. L.

Thence I run

West on a resurvey line along the S. side of Sec. 34.

40.00 The ^{standard} 1/4 Sec. Cor. bears South 91 deg dist.

79.70 The Standard Cor. to Secs 33 & 34, which is a trachyte 8x12x8 min. above ground marked and witnessed as described by the Surveyor General. bears S 182 deg dist. The true course of this line therefore is S 88° 41' W. and the dist. - 79.72 chs.

Resurvey of
Fifth Standard Parallel South R. I. W.

Chains	West on a resurvey line along S. bdy of sec. 33.
39.90	Thru $\frac{1}{4}$ Sec. cor. on line
79.80	Thru cor. to secs 32 & 33. which is a trachyte $8 \times 10 \times 8$ ins. above ground. marked and witnessed as described by the Surveyor General. The true course of this line therefore is West and the distance 79.80 chs.
39.90	West along the S. bdy of sec. 32. on resurvey line thru $\frac{1}{4}$ sec. cor. on line.
79.80	Thru cor. to Secs 31 & 32. as heretofore described. The true course of this line therefore is West and the distance 79.80 chs.
40.00	West on a resurvey line along S. bdy. of sec. 31.
79.90	Thru $\frac{1}{4}$ Sec. Cor. on line. Thru cor. of Lp. 20 S. R. 51 S. W. as heretofore described. The true course of this line therefore is West, and the distance 79.90 chs.


 John J. Breckinridge
 Homer McLeary
 U. S. Deputy Surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 _____ }



*226-70
9/4/1*

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I....., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from....., bearing date of the United States Surveyor General for....., day of....., 189....., I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of.....

....., of the.....
..... meridian, in the of, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....
United States Deputy Surveyor.

Subscribed by said....., and sworn to before me }
this..... day of....., 189..... }

CCCCCO
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CCCCCO

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Jacob L. Blair, March 10, 1899
The foregoing field notes of the survey of *The West Boundary of Township
16 South Range 1 West of the Salt Lake Base and
Meridian, Utah.*

executed by *J. W. Beckinsale, Wm. J. Early*,
under the contract No. *208*, dated *October 20, 189.....*, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Jacob L. Blair
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in.....
....., has been correctly copied from the original notes on file in this office.

.....
United States Surveyor General.

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BOOK A-249

36.9.10.

FIELD NOTES

OF THE SURVEY OF THE

Latitude of 26° 11' N.of the First Lateral Meridian,
State of Utah.

AS SURVEYED BY

John B. Beck and J. Howard M. Clark, United States Deputy Surveyors,
 under their Contract No. 205, dated October 2d, 1895,
 survey commenced October 11th, 1895,
 survey completed January 18th, 1896.

Subt. high	33.33.44.1	/ 15.79
low	33.35.35.1	/ 15.79
Altitude	23.20.1	

Religious Catalogue \$15.00

NAMES AND DUTIES OF ASSISTANTS.

Alex Garrison Chairman

C. H. Garrison Chairman

Joseph Johnson Chairman

Car. Johnson Chairman

James Little Chairman of Wardenman

Joseph Taylor Chairman of Wardenman

For Preliminary affidavits See book C -

A-249

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Subto -
T 262 R. 178 -

High m. chs. chs.	Low m. chs. chs.	Closings m. chs. chs.
1-00-00 ✓	1-00-00 ✓	.60 ✓
68-50 ✓	11-50 ✓	
77-32 ✓		2-47 ✓
1-00-00 ✓		2-10 ✓
1-00-80 ✓		
1-00-00 ✓		2-08 ✓
1-01-58 ✓		4-00 ✓
72-81 ✓		
1-00-00 ✓		
1-00-60 ✓		
1-00-00 ✓		
57.75 ✓	23.25 ✓	
1-00-00 ✓		
1-01-06 ✓		
1-00-00 ✓		
1-01-20 ✓		
1-00-00 ✓		
1-01.30 ✓		
73-20 ✓		✓-✓✓ ✓
1-00-00 ✓		
1-00-00 ✓		
1-00-10 ✓		
1-00-00 ✓		
79-90 ✓		
1-00-40 ✓		
1-00-00 ✓		
1-00-06 ✓		
1-00-80 ✓		
1-00-00 ✓		
1-00-10 ✓		
1-01-00 ✓		
1-00-00 ✓		
1-00-26 ✓		
1-01-10 ✓		
73-60 ✓		6.40 ✓
33-33.44 ✓	2.35.35	23.20 ✓

Retrocomputo Contg -

53
80) 513 (6
48

m. chs. chs.
1-00-40 ✓
79-60 ✓
78-06 ✓
1-00-27 ✓
1-00-00 ✓
76-90 ✓

5;75-23✓

2

PRELIMINARY OATHS OF ASSISTANTS.

WE, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey,

....., Chain.

....., Chain.

Subscribed and sworn to before me this }
day of , 189 }



WE, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey,

....., Moundm

....., Moundm

Subscribed and sworn to before me this }
day of , 189 }



WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey,

....., Axe

....., Axe

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagm

Subscribed and sworn to before me this }
day of , 189 }



Subdivision of C. 26. S. R. 1. M.

Survey commenced August 11th 1877.
and executed with a Gurley Brunck's
transit and Gurley Surveyor's transit
each with solar attachments.
I examine the adjustments of the transit;
and correct the level and collimation error,
then, to test the solar apparatus, by comparing
its indications, resulting from solar ob-
servations made during A.M. and P.M. hours
with a true meridian determined by ob-
servations on Polaris. I proceed as follows.
At the cor. to Secs 27. 28. 35 & 34. which is
a granite 8x16x10 ins. above ground
marked and witnessed as described by
the Surveyor General, latitude 38° 31' N.
longitude 111° 5' 8" W.; I set off 38° 31' N. on the
lat. arc; 15° 00' W. on the decl. arc; and at
 $4^{\text{h}} 10^{\text{m}}$ P.M. C. m. t. determine with the solar
a true meridian and mark a point
thereof, on a stone firmly set in the ground
5.00 chs. N. of the cor.

At $10^{\text{h}} 02^{\text{m}}$ P.M. C. m. t. I observe Polaris
at eastern elongation, in accordance with
Manual of Instructions, and mark a
point in the line thus determined, on a
plug driven in the ground, 5 chs. N. of
my station.

August 11th 1877.

Aug. 12th at 5. A.M. C. m. t. I lay off the
azimuth of Polaris $1^{\circ} 55'$ to the west, and
mark the true meridian thus determined
by cutting a small groove in the stone
set August 11th on which the true meridian
falls 0.4 ins. west of the mark determined
by the solar.

At $7^{\text{h}} 50^{\text{m}}$ A.M. C. m. t. I set off $38^{\circ} 31'$ N.
on the lat. arc; $14^{\circ} 48'$ W. on the decl. arc;
and mark a point in the true meridian
determined with the solar, by a cross
on the stone already set 5.00 chs. N. of
my station; this mark falls 0.2 ins. west.

~10
Subdivisions of S. 26. S. R. 1. W. Continued.

Name of the true meridian established by the Polaris observation.

The solar apparatus, by P. M. and A. M. observations defines positions for true meridians, respectively about 21° east and 11° west of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8 $\frac{1}{2}$ A. M. is N 15° 36' W. The angle thus determined, reduced by the table, page 100, gives the mean Mag. Decl. 15° 30' E.

From the cor. to Secs 2, 7, 28, 30 & 34, already described.

I run

80° 02' W. bet: Secs 27 & 28.

Enter scattering cedars and pines. descend about 60 ft. to

11.00 Dry wash in hollow, course E. ascend gradually

15.90 Wood road. bears E & W.

18.00 Top of ascent; descend gradually

33.75 Dry wash 50 lbs wide. 4 ft. deep. course E. ascend.

40.00 Cut a sandstone 16 x 12 x 6 in. in the ground
10 x 14 ~ e. Cor. rounded 14 on W. face, and
rounded a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft.
high. W. of Cor. Pilis impracticable

57.00 Point of ridge. bears E & W. descend,

71.50 Knob-horn Creek 5 lbs. wide. 6 ins. deep
course E.

72.00 Canon road. bears E & W. ascend 50 ft.
thru ridge. bears E & W. descend

83.00 Cut a sandstone 16 x 14 x 8 ins. 11 ins. in the
ground for cor. to Secs 21, 22, 27 & 28, marked
2 notches on S. and 3 notches on E. edges; and
rounded a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft.
high. W. of Cor. Pilis impracticable.
Ground broken & rolling bench.

Subdivisions of S. 26. T. R. I. W. Continued.

name.	Soil. Rocky and Gravelly. 3 rd ratio. Timber. Scattering Cedars and pines.
	East on a random line bet. Secs 22 & 27.
40.00	Set temporary $\frac{1}{4}$ sec. cor.
80.60	Entered W. E. S. line 60 lks. $\frac{1}{4}$ of cor. to Secs 22, 23, 26 & 27 which is a granite 8x10x7 mos. above ground marked and witnessed as described by the Surveyor General. Set a Granite 14x10x6 mos. & mos. in the ground for Closing Cor. to Secs 22 & 27. Marked C.C. on W. with 2 grooves on S. and 3 grooves on E. faces; and raised a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high W. of Cor. Site impracticable. I destroy all mgs. belonging to Secs 22 & 27 from old cor. Hence I run
	West on a true line bet. Secs 22 & 27. Ascend gradually in scattering Cedars and pines. over bench.
16.60	Point of ridge. bears S. descend.
19.60	Gulch 80 ft. deep. course S. ascend 150 ft. to
35.10	Ridge. bears N. E. S. descend
40.60	Set a sandstone 16x12x6 mos. 11 mos. in the ground. for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high. S. of cor. Site impracticable.
41.60	Gulch 100 ft. deep. course S. ascend
42.30	Wood road. bears N. E. S.
50.60	Point of ridge. bears S. descend.
68.30	Wood road. bears N. W. and S. E. entire flat.
71.60	dry wash 20 lks wide. 4 ft. deep. course S. E.
80.00	dry wash 20 lks wide. 4 ft. deep. course S. E. ascend to
80.60	The cor. to Secs 21, 22, 27 & 28. Land. bench Soil. Rocky. 4 th ratio. Timber. Scattering Cedars and pines.

S. 26. S. R. 1. W. Continued.

	6.0.02 W. bet. Secs 21 & 22. Scattered cedar & juniper. also sandstone flat. slight wash 20 ft. wide. 11 ft. deep. course N.E. Wood road. bears NW & S.E. ascend mountain Point of ridge 300 ft. above Sec. Cor. bears N. descend gradually along N. slopes.
0.80	Set a brachyte 24x12x8 ins. 18 ins. in the ground for Cor. to Sec. Cor. marked 14 on N. face; and raised a mound of stone 2 ft. base, 1.5 ft. high. N. of Cor. Pit impracticable.
11.50	Culch. 2 chs. wide. 40 ft. deep. course N.E.
38.00	Ravine. course N. ascend.
40.00	Set a brachyte 24x12x8 ins. 18 ins. in the ground for Cor. to Sec. Cor. marked 14 on N. face; and raised a mound of stone 2 ft. base, 1.5 ft. high. N. of Cor. Pit impracticable.
53.00	Culch. 2 chs. wide. 40 ft. deep. course N.E.
76.20	Ravine. course N. ascend.
80.00	Set a brachyte 16x12x10 ins. 11 ins. in the ground for Cor. to Secs 10, 16, 21 & 22. marked 26. S. on N. E. End
1.00	1. m. on N. E. faces; with 3 notches on S. E. edges; and raised a mound of stone 2 ft. base. 1.5 ft. high. N. of Cor. Pit impracticable. A pine 12 ins. in diam. bears N. 45° E. 103 lbs dist. marked T. 26. S. R. 1. W. S 15. B. T.
1.10	A cedar 16 ins. in diam. bears N. 40° E. 35° E. dist. marked T. 26. S. R. 1. W. S. 15. B. T.
	A pine 10 ins. in diam. bears S. 25° W. 78° E. dist. marked T. 26. S. R. 1. W. S. 16. B. T.
	A pine 8 ins. in diam. bears N. 45° E. 78° E. dist. marked T. 26. S. R. 1. W. S. 16. B. T. Layed. Broken.
	Fall. Rocky. & Brash.
	Timber. Scattering Cedars and Juniper.
	Mountainous land 68.50 chs
	East - on a random line bet. Secs 15 & 22.
40.00	Set limestone 14 sec. cor.
77.52	Intersect N. & S. line 247 lbs N. of cor. to Secs 14, 16, 22 & 23, which is a Flint rock 8x8x6 ins. above ground marked and estimated as described by the Surveyor General Set a limestone 18x14x9 ins. 12 ins. in the ground for Closing Cor. to Secs 15 & 22. marked C.C. on N. with 3 grooves on S. and 2 grooves on E. faces; from which A cedar 12 ins. in diam. bears N. 77° W. 47° E. dist. marked T. 26. S. R. 1. W. S. 22. B. T.

Subdivision of T. 26 S. R. 1. W. Continued

- 0.00 A pine 10 in. in diam. bears $67^{\circ} 35' N$ 99 E
dist: marked T. 26. S. R. 1. W. 8. 16. B. T.
Destroyed all marks pertaining to Secs
15 & 22. from old Cor.
thence I run.
- West on a low line bet. Secs 15 & 22.
Enter scattering cedars and pines, ascend
along S. slope of ridge.
- 11.80 Point of ridge. falls S. descend 300 ft. to
Ravine. thence E. ascend.
- 22.30 Set a sandstone 16 x 12 x 12 in. 11 in.
in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$
on N. face; from which
- A cedar 12 in. in diam. bears $N 57^{\circ} 30' E$ 26 E.
dist: marked $\frac{1}{4}$ S. B. T.
- A cedar 8 in. in diam. bears $S 38^{\circ} 10' W$ 37
E. dist: marked $\frac{1}{4}$ S. B. T.
- 41.50 Ridge 600 ft. above ravine. bears $N 38^{\circ} 10' W$
descend 700 ft. to
- 75.60 Ravine. course W. E. ascend to
the cor. to Secs 15-16. 21 & 22.
- Land. broken,
Soil. Rocky & shale.
- Timber. Scattering Cedars & pines.
Mountainous land 77.32 acs.
-
- 78.02 W. bet. Secs 15 & 16.
- Enter scattering cedars & pines. ascend
- 11.30 Wood road. bears $N 38^{\circ} 10' W$.
- 37.00 Point of ridge 200 ft. above Sec. Cor. falls N.
descend 50 ft.
- 40.00 Set a sandstone 16 x 14 x 8 in. 11 in. in the
ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face,
from which
- A pine 12 in. in diam. bears $N 35^{\circ} E$. 79 E.
dist: marked $\frac{1}{4}$ S. B. T.
- A cedar 18 in. in diam. bears $N 63^{\circ} 45' E$ 8.8
E. dist: marked $\frac{1}{4}$ S. B. T.
- 48.00 Gulch. course S. E. ascend gradually
about 200 ft. to
- 80.00 Ridge. bears $N 38^{\circ} 10' E$. Set a sandstone

Subdivision of S. 26. T. R. 1. Vt. Continued

Chains	16 x 12 x 8 ins. 11 ins. in the ground for Cor. to Secs 9. 10. 15 & 16, marked 4 notches on S. and 3 notches on E. edges, and raised a mound of stone 2 ft. base. $\frac{1}{4}$ ft. high W. of Cor. Pit impracticable. Land broken.
	Fair. Rocky, $\frac{4}{5}$ miles.
	Timber. Scattering Cedars & Pines.
	Mountainous land 80. chs.
	August 12 " 1897
40.00	East on a random line bet. Secs 10 & 15. Set temporary by Sec. Cor.
80.80	Intersect N. $\frac{3}{4}$ S. line 210 chs $\frac{1}{2}$ of Cor. to Secs 10. 11. 14 & 15, which is a Flint- rock 8 x 13 x 10 ins. above ground, marked and witnessed as described by the Surveyor General. Set a Quartzite 16 x 14 x 12 ins. 11 ins. in the ground for Closing Cor. to Secs 10 & 15. marked C. C. on W. with 4 grooves on S. And 2 grooves on E. faces, and raised a mound of stone 2 ft. base. $\frac{1}{4}$ ft. high. W. of Cor. Pit impracticable. Destroyed all marks from old cor. pertaining to Secs 10 & 15.
	Hence I run
	West on a true line bet. Secs 10 & 15.
	Ascend along N. side of ridge.
10.80	Ridge. bears N.W. & S.E. descend.
13.50	Enter Cedars and pines.
15.80	Leave Cedars
25.80	Gully 200 ft. deep. Course N.W. ascend.
40.80	Set a sandstone 18 x 2 x 8 ins. 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, and raised a mound of stone 2 ft. base, $\frac{1}{4}$ ft. high. N. of cor. Pit impracticable.
44.50	Ridge. bears N.W. & S.E. descend in scattering cedars and pines.
62.30	Gulch. course W. Road near $\frac{2}{3}$ ft. ascend
65.75	Point of ridge 75 ft. high. bears N. descend.
69.20	Gulch. course N.E. ascend 200 ft. to
80.80	The cor. to Secs 9. 10. 15 & 16.

Subdivisions of T. 26 S. R. 1. W. Continued.

Chains	<p>Land. broken. Soil. rocky. & brittle. Timber. Cedars & Pines. Mountainous land 80.80 chs.</p>
	<p>150°:02' M. bet. Secs 9 & 10. Descend gradually along E. slope in scattering Cedars & Pines.</p>
14.50	Gulch. course 1'. E. ascend 300 ft. to Ridge. bears N.E. & S.W. descend,
52.00	Set a limestone 18x12x8 mos. 12 mos. in the ground for 14 sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1/4 ft. high. W. of Cor. Pole impracticable.
40.00	Ravine 200 ft. deep. course N.E. ascend Ridge. bears N.E. & S.W. descend.
45.00	Ravine 200 ft. deep. course N.E. ascend Ridge. bears N.E. & S.W. descend.
62.50	Ravine 200 ft. deep. course N.E. ascend Ridge. bears N.E. & S.W. descend.
70.40	Ravine 200 ft. deep. course N.E. ascend.
76.00	Ridge. bears N.E. & S.W. descend
79.00	Ravine 100 ft. deep. course N.E. ascend,
80.00	Set a limestone 18x12x10 mos. 12 mos. in the ground for cor. to Secs 9. 4. & 9 & 10. Marked 5 notches on S. and 3 notches on E. edges, and raised a mound of stone 2 ft. base. 1/4 ft. high. W. of Cor. Pole impracticable.
	<p>Land. broken. Soil. rocky. & brittle. Timber. scattering Cedars & Pines. Mountainous land 80. Chs.</p>
	<p>Eggs - on a mountain line bet. Secs 3 & 10.</p>
40.00	Set temporary 1/4 sec. Cor.
81.55	Spurred - 18 1/2 ft. line 208 rods N. 76° E of Cor. Secs 2. 3. 10 & 11. which is a Flint stone 6x 10x6 mos. above ground marked & witnessed as described by the Surveyor General. Set a Flint stone 16x14x8 mos. 11 mos. in the ground for Closing Cor. to Secs 3 & 10 marked C.C. on W. with 5 grooves on S. & 2 grooves on E. faces; and raised a mound of stone 2 ft. base. 1/4 ft. high. W. of Cor.

Subdivision of S. 26. S. F. T. W. Continue

Chains	Pits impracticable Destroyed all marks from old cor. perhamp to feed 3 1/10. Hence I run
17.60	Ridge. bears N. E. S. descend
30.00	Ravine 300 ft. deep. courses N. E. Road. bears N. E. E. S. N. ascend
41.58	Set a sandstone 16 x 12 x 8 ins. 11 ins. in the ground for 1/4 sec. cor. Marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1/2 ft. high. N. of cor. Pits impracticable.
49.50	A fence 18 ins. in diam. bears N. 80° E 5 1/2 ins. dist. marked 1/4 S. E. T. Another bearing fence Ridge. bears N. E. E. S. N. descend
60.00	Ravine 300 ft. deep. courses N. E. ascend
69.50	Ridge. bears N. E. E. S. N. descend
79.50	Ravine. courses N. E. ascend 100 ft. to the cor. to Secs 3. 4. 9. E. S. S. N.
81.58	Land. broken. Soil. Rocky. A. loam. Timber. Scattering Cedars & Pines. Mountainous land 81.58 chs.
20.00	N. 02° W. bet. Secs 3 & 4. H. on true line Enter scattering Cedars, pines & Mahogany ascend 200 ft. to
36.00	Ridge. bears N. E. E. S. N. descend 300 ft. Ravine. courses N. E. Road bears N. E. E. S. N. ascend
40.00	Set a sandstone 16 x 10 x 10 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1/2 ft. high. N. of cor. Pits impracticable.
42.00	On front of ridge 50 ft. high bears E. descend
43.00	Gulch. courses N. E. Wood road bears N. N. E. S. S. N. ascend

Subdivisions of S. 26. T. R. I. W. Continued.

53.00	Ridge. 400 ft. high. bears $3^{\circ} \frac{1}{2}$ N. descent.
61.75	Ravine. course S. E. Wood road. bears W. N. E. & S. E. ascend. leaves cedar & pines.
72.00	Ridge. bears $3^{\circ} \frac{1}{2}$ N. descent.
72.81	Interest Fifth Standard Parallel L. at 400.00 chs. West of Standard corner to Seco $3 \frac{1}{4} 34$. which is a trachyte $6 \times 12 \times 8$ ins. above ground marked & witnessed as described by the Surveyor General. Set a trachyte $16 \times 12 \times 8$ ins. 11 ins. in the ground for Closing corner to Seco $3 \frac{1}{4} 44$. Marked C.C. on S. with 3 grooves on E. W. faces; and raised a mound of stones 2 ft. base, 1/2 ft. high S. of Cor. Pts. impracticable. Land. broken.
	Soil. Gravelly & rocky. S. East. Timber. scattering Cedar & pines. Mountainous land 72.81 chs
Aug 13:	At this cor. I set off $14^{\circ} 26' \frac{1}{4}$ on the ^{at 12.5 m. b.m.g} decl. arc; and, observing the sun on the meridian the resulting lat. is $38^{\circ} 35' 11''$
	From the cor. to Seco $4. 5. 32 \frac{1}{4} 38$ on S. body of diff. herebefore described
	Grove
	No. 05' W. lat: Seco $32 \frac{1}{4} 38$.
33.00	Entire cedars & pines. ascend 800 ft. to top of peak of mountain. leaves stones Cedars & pines. entire scattering trachyte. descend along E. slope
40.00	Set a trachyte $16 \times 10 \times 8$ ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1/2 ft. high. W. of Cor. Pts. impracticable
52.00	Head of gulch 100 ft. deep. corner S. ascend
67.00	Ridge. bears $71^{\circ} 4^{\prime} \frac{1}{2}$ N. descent
80.00	Set a sandstone $16 \times 14 \times 6$ ins. 11 ins. in the ground for cor. to Seco $28. 29. 32 \frac{1}{4} 38$. marked 1 notch on S. and 4 notches on E. edges; and raised a mound of stone 2 ft. base. 1/2 ft. high. W. of Cor. Pts. impracticable.

Sketches of Geol. of N. Y. Continued

Draime Land. & pine.
Gril. Rock, 4th slate.
Timber. Cedar, Fir, Mahogany. Scattering
mountainous land, 80. chs.

August 13th 1897

Aug. 14th At 4th 10th a.m. I set
off 38° 31' W. on the lat. arc; 14° 10' N. on the
decl. arc; and determine a line, meeting
with the solar. at the con. to Secs 28, 29
32 & 33.

Hence I now

East - on a random line bet. Secs 28 & 33,
Set temporary 1/4 sec. Con.
80.60 Intersct N. 1/4 line 33 ths S. of Con. to
secs 27, 28, 33 & 34. as hereinbefore described
thence E. now

N 89° 46' W. on a line bet. Secs 28 & 33.

Ent. scattering cedar & pine. ascend
gradually

0.80 Wood road, bears N. E. El. Gr.
12.85 Wood road, bears N. E. El. Gr.
36.80 Ridge, bears N. E. S. descend.
40.60 Set a sandstone 14 1/2 16 ins. 10. ins. from the
ground for 1/4 sec. Con. now had 1/4 on the face
from which

a pine 20 ins. in diam. bears S. 75° 30' E. 61 lbs
dist. marked 1/4 S. R. T.

A cedar 15 ins. in diam. bears S. 58° E. 48 lbs
dist. marked 1/4 S. R. T.

43.10 1/4 sec. now has 1/4 on its side, to
top of ridge of mountain. bears N. E. El.
descend gradually to

the Con. to Secs 28, 29, 32 & 33.
Land. & pine.

Fair. Gravelly & rocky 3rd slate.

Timber. Scattering cedar and pine.

mountainous land 80. 60 chs.

160° 05' W. bet. Secs 28 & 29.

Ascend 50 ft.

Top of ridge of mountain. bears N. W. 3rd S. E.

Subdivisions of V. 26 S. T. 1. M. Continued.

Chain	Description
23.00	Enter scattering cedar & pines descend Ravine course E. ascend.
40.00	Set a trachyte 14x9x4 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pts. impracticable.
42.00	Point of ridge. bears E. descend 120 ft.
49.00	Ravine course E. ascend
56.00	Ridge. bears E. & W. descend 350 ft.
74.00	Ravine course E. thence N. E. ascend to
77.00	Ridge falls E. descend
80.00	Set a trachyte 18x14x4 ins. 12 ins. in the ground for cor. to sec 20-21-28 & 29. marked 2 notches on S. and 4 notches on E. edges, and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pts. impracticable.
	Ridge. broken
	Silt. gravelly & rocky gravel.
	Gravel. scattering cedar & pines.
	Moorishous sand 30. ins.
90.00	Neg. 46° E. in a ravine. lies bet. sec's 21 & 28.
81.00	Set temporary in sec. Cor.
	Intersect N. E. line 23. ins. N. of Cor. to sec's 21. 22. & 27 & 28.
	thence I run
88.00	88° 56' W. on a line lies bet. sec's 21 & 25.
	Enter scattering cedar & pines. ascend gradually
12.00	Ridge. bears N. 47° W. E. descend 75 ft. to
18.00	Enter bottom.
22.00	Canyon road. bears N. W. & S. E.
23.25	Koochaven Creek altho. wide. 5 ins. deep flows S. E. ascend.
41.00	Set a. sandstone 14x10x8 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1 ft. high N. of Cor. Pts. impracticable.
42.85	Road. bears N. E. & S. W.
71.00	Lip of ridge. 400 ft. above creek. bears N. E. & W.

Subdivision of T. 26 S. R. 1. W. Continued.

Chains	descend.
76.00	Gulch. course N.E. ascend to
81.00	The cor. to secs 20. 21. 28 & 29.
57.50 23.	Land. broken. Soil. Rocky. 4 thicks. Timber. Scattering cedars & pines. Mountainous land 57.75 chains.
	No°. 03 N. lat. Secs 20 & 21.
16.00	Enter scattering cedars. descend 250 ft. to
18.10	Gulch. course N.E. ascend
20.00	Ridge 50 ft. high bears E.
26.00	Ravine. course E. ascend
35.00	Ridge. bears E & N. descend
38.00	Ravine. course E. ascend 50 ft.
38.50	Ridge. bears E & N.
39.00	descend.
40.00	Set a trachyte 14x9x5-in. 10 ins. in the ground for 1/4 sec. Cor. marked 1/4 on N. face; and raised a mound of stones 2 ft. base 1 ft. high. N. of cor. Pit impracticable.
43.00	Enter bottom.
48.50	Ravine. Creek 10 ft. wide. flows S.E. ascend
55.00	Ridge. bears N. W. & S. E. Top of steep slope ascend. gradually.
67.50	Ravine. course S. E. ascend
80.00	Set a trachyte 12x12x5-in. 8 ins. in the ground for cor. to secs 16. 17. 20 & 21. marked 3 notches on S. E. & 4 notches on E. edges; and raised a mound of stones 2 ft. base 1 ft. high. N. of Cor. Pit impracticable.
	Land. broken.
	Soil. Rocky. 4 Gravelly. 4 thicks.
	Timber. Scattering Cedars.
	Mountainous land 80. chs.
	No°. 56 E. on a random line bet. Secs 16 & 21.
40.00	Set temporary marker cor.
81.00	Intersect N. E. line 23 ft. N. of cor. to Secs 15. 16. 21. & 22.

Subdivisions of S. 26. S. R. 1. W. Continued.

- Thence I run
 N 84° 54' W. on a true line bet. sec's 16 & 21.
 Enter scattering Cedars & pines ascend gradually
 3.00 Gulch. 1 chain wide 20 ft. deep. course S. E.
 8.00 Ridge. bears N. E. & S. descend gradually.
 16.00 Road. bears N. W. & S. E.
 22.00 Gulch. course S. E. ascend gradually
 41.00 Set-a sandstone 16 x 14 x 10 ins. 11 ins. in the
 ground. for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face;
 from which
 A cedar 12 ins. in diam. bears S 37° 8' 175 lbs
 dial: marked $\frac{1}{4}$ S. B. T.
 A cedar 16 ins. in diam. bears S 68° 30' W 110 lbs
 dial: marked $\frac{1}{4}$ S. B. T.
 47.00 Ridge. bears N. E. S. Road on ridge bear N. E.
 58.00 Gulch 50 ft. deep. course S. ascend.
 63.30 Road. bears N. W. & S. E.
 69.40 Road. bears N. W. & S. E.
 76.00 Ridge. bears N. E. S. descend to
 81.00 The cor. to sec's 16. 17. 20 & 21.
 Land. broken.
 Soil. Rocky & Gravelly. 4th rate.
 timber. Scattering. Cedars and pines.
 Mountainous land. 81.00 chs.

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- N 0° 03' W. Det: sec's 16 & 17.
 Enter scattering cedars and pines ascend
 23.00 Top of steep ascent bears N. W. & S. E. ascend
 gradually
 36.00 Head of ravine. course S. E. Road. bears N. W.
 & S. E.
 40.00 Set-a trachyte 14 x 14 x 6 ins. 10 ins. in the ground
 for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; from which
 A pine 10 ins. in diam. bears S 12° E. 85 lbs
 dial: marked $\frac{1}{4}$ S. B. T.
 A pine 12 ins. in diam. bears S 7° 15' W 80 lbs
 dial: marked $\frac{1}{4}$ S. B. T.
 60.00 Divide bears N. W. & S. E. between head of gulch
 Course N. E. & head of gulch. course S. W. ascending
 gradually. leaves timber.
 80.00 Set-a trachyte 14 x 12 x 9 ins. 9 ins. in the ground.

Subdivision of S. 26 S. P. 1 W. Continued

	Chain	for cor. to sec. 8. 9. 16 & 11. marked 4 matches on N. and E. edges; and raised a mound of stone 2 ft. base. 1 ft. high. N. of Cor. Pits impracticable.
	Land.	broken.
	Soil.	Gravelly & rocky & - soil.
	Timber.	Scattering cedars & pines.
		Mountainous land 80 chs.

		\$89° 54' C. on a random line bet. Secs 9 & 16. Set temporary 1/4 sec. cor.
	40.00	Intersect N. E. of line 1/4 miles S. of cor. to sec. 9. 10. 15 & 16.
	81.20	thence I run West on a true line bet. Secs 9 & 16.
	41.20	Enter scattering cedars & pines ascend 800 ft. to top of ridge. bears N. 5° E. & S. 5° W. Set a sand- stone 16 x 12 x 8 ins. 11 ins. on the ground for 1/4 sec. cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base. 1 ft. high. N. of Cor. Pits impracticable. descend.
	62.00	Gulch. course N. E. ascend to the cor. to secs 8. 9. 16 & 11.
	81.20	Land. broken.
		Soil. Rocky. & - soil.
		Timber. Scattering cedars & pines.
		Mountainous land 81. 20 chs.

		No. 03 N. bet. Secs 8 & 9.
		Ascend gradually about 200 ft. in scattering cedars & pines.
	10.00	Ridge. bears N. E. & S. W. descend 300 ft. to Gulch. course E. ascend gradually
	21.00	Set a trachyte 16 x 12 x 7 ins. 11 ins. on the ground. for 1/4 sec. cor. marked 1/4 on N. face
	40.00	and raised a mound of stone 2 ft. base. 1 ft. high. N. of Cor. Pits impracticable.
	55.00	Ridge. bears N. E. descended 150 ft. to
	60.00	Gulch. course N. E. ascend
	64.00	Spring. bears E. 2 chs. flows N. E.

Subdivision of V.26. S.R. 1. W. Continued.

64.50	Point of ridge 40 ft. high. falls E. descend
69.00	Gulch. course S.E. ascend.
80.00	Set-a-trachyte 24x14x1.2 mrs. 18 mrs. in the ground for cor. to secs 4, 5, 8 & 9. marked 5 notches on N. & 4 notches on E. edges; and raised a mound of stone 2 ft. base, 1 ft. high. W. of Cor. Pits impracticable. Land broken.
	Soil. Gravelly & Rocky. 3 rd rate.
	Timber. Scattering cedars & pines.
	Mountainous land 80 chs.

	East on a random line bet. secs 4 & 9.
40.00	Set-temporary 1/4 sec. cor.
81.50	Intersect N.E. line 14 lbs h. of cor. to secs 3, 4, 9 & 10.
	Thence I run
	N 89° 54' W. on a true line. bet. secs 4 & 9.
	Enter scattering cedars & pines. ascend 600 ft.
10.00	Leave timber
24.50	Ridge. bears N.E. & S.W. descend.
41.50	Set-a-trachyte 14x10x6 mrs. 9 mrs. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1 ft. high. W. of Cor. Pits impracticable.
42.00	Ravine. course N.E. ascend.
55.00	Enter cedar, pine & mahogany.
81.00	The cor. to secs 4, 5, 8 & 9.
	Land broken.
	Soil. Gravelly & Rocky. 3 rd rate.
	Timber scattering cedar, pine & mahogany.
	Mountainous land. 81.50 chs.

	0° 03' W. bet. secs 4 & 5. on true line
	Ascend about 500 ft. to
2.30	Ridge. bears E & W. descend
5.00	Enter spruce & aspen.
12.00	Ravine. course N.E. 200 ft. deep. ascend in scattering mahogany, leave spruce & aspen
22.50	Ridge. bears N.E. & S.W. descend gradually
34.50	Leave mahogany. enter spruce & aspen.

Subdivision of T. 26 d. R. t. N. Continued.

Chains.	
40.00	Set a trachyte 16x12x8 in. 11 in. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face; from which A spruce 10 in. in diam. bears $N 26^{\circ} E. 10$ lbs. dist. marked $\frac{1}{4}$ S. B.T.
	A spruce 10 in. in diam. bears $S 78^{\circ} E. 15$ lbs dist. marked $\frac{1}{4}$ S. B.T.
42.40	Ravine. course E. leans Spruce. enter mahogany
52.00	Ridge. bears N.E. $\frac{3}{4}$ S.W. descend.
63.00	Ravine. course N.E. ascend
- 73.20	Intersect the Fifth Standard Parallel. S. 5.00 chs. W. of the Standard Cor. to Secs $32 \frac{1}{2}$ & 33. which is a trachyte 10x10x8 in. above ground, marked and witnessed as described by the Surveyor General. Set a trachyte 18x11x7 in. 12 in. in the ground. for Closing Cor. to Secs $4 \frac{1}{2}$ & 5. marked C.C. on S. with 4 grooves on E. & 2 grooves on W. faces; and raised a mound of stone 2 ft. base. 1 ft. high. S. of Cor. Pts. inv. practicable. Land. broken. Soil. Rocky. 4 th sati. Timber. Cedars. pine & mahogany. Mountainous land 75.20 chains.

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Chains.	
45.00	At $7^{\frac{1}{2}}$ At $7^{\frac{1}{2}}$ - A. M. L.M. I set off $38^{\circ} 30' N$ on the lat. arc; $18^{\circ} 35' N$ on the decl. arc; and determine a true meridian with the solar. at the cor. to Secs $31 \frac{1}{2}$ & 32. out. bds. of 150. somewhere described Thence I run $W 8^{\circ} 03' N$. bet. Secs $31 \frac{1}{2}$ & 32.
50.00	Enter scattering Cedars & pines. descend, Set a trachyte 24x10x8 in. 18 in. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base. 1 ft. high. W. of Cor. Pts. impracticable.
54.00	Leans cedar & pines. enter aspens.
55.40	Gulch. course S.E. ascend.
57.00	Leans aspens. enter scattering Cedars & pines
59.00	Ridge. bears E. & W. descend.

Subdivision of T. 26 S. R. 1 W. Continued.

Chain 80.00	Set a brachytile 20x14x4 ins. 10 ins. in the ground for cor. to Secs 29, 30, 31 & 32. marked 1 notch on S. & 5 notches on E. edges; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Site impracticable. Land. broken. Soil. Rocky, 4 th salin. Timber. Shallow Cedars & pines. Mountainous land 80 chs.
40.00	East - on a random line bet. secs 29 & 30. Set temporary 1/4 sec. cor.
80.00	Intersect W. bdy. of off. at cor. to secs 28, 29 & 33. Thence S. ins. West - on a line line bet. secs 29 & 32. Descend along R. side of gulch. Enter cedars & pines
30.00	Set a brachytile 18x8x6 ins. 12 ins. in the ground for 1/4 sec. Cor. marked 1/4 on N. face; from which
40.00	A pine 6 ins. in diam. bears N 10° E. 10 lbs dist. marked 1/4 S. B. T. A cedar 24 ins. in diam. bears N 50° W 90 lbs dist. marked 1/4 S. B. T. Descend rapidly Enter bottom.
66.50	Canyon road. bears N. W & S. E.
67.00	North Fork of Greenwich Creek & the meadows flows S. E. Leave cedars & pines.
68.30	Ascend 200 ft. to
69.50	The cor. to Secs 29, 30, 31 & 32.
80.00	Land. broken. Soil. Rocky, 4 th salin. Timber. Cedar & pine. Mountainous land 80 chs.
40.00	West - on a random line bet. secs 30 & 31. Set temporary 1/4 sec. cor.
80.10	Intersect W. bdy. of off. at cor. to secs 25, 30, 31 & 36, thereby far described

Subdivisions of T. 26. S. R. 1. W. Continued.

Diams	<p>Thence I run East on a true line bet. Secs 30 & 31. Ascend gradually Enter scattering aspens Point of ridge falls N. Leave aspens, descend rapidly. Set a brachyli 15x8x5 in. 11 min. in the ground for 1/4 sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1/2 ft. high. N. of Cor. Pit is impracticable. Enter scattering cedar spruce. The cor. to sec 27. 30: 31 1/2 sec. Land broken. Dil. Rocking. 4 1/2 min. Timber. scattering Cedar, spruce & aspens. impracticable about 80-10 min.</p>
	(T. 26 S. R. 1. W. sec 27 1/2 sec.
7.00	Enter scattering cedar spruce. descend 20 off. to living branches. 3 lbs wide in small bunches. course N. E.
20.00	Canyon road. bears N. W. 1/2 E.
27.00	north Fork of McCormick Creek. 10 lbs wide. flows E. E.
29.00	Raised
40.00	Set a b.c. li 16.8 x 4 in. 11 min. in the ground for 1/4 sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1/2 ft. high. N. of Cor. Pit is impracticable.
55.00	Edge 170 ft. above creek. bears E. 10° S. 10° W. across & parallel
62.75	Trunk 6.0 ft. diam. course E. ascend
77.00	Ridge. bears N. W. 1/2 S. 8. descend
80.00	Set a brachyli 16.8 x 4 in. 11 min. in the ground for cor. to sec 19. 20. 24 1/2 sec. marked 3 mossies on 1/4 5-meters on E. edges, and raised a mound of stone 2 ft. base, 1/2 ft. high. N. of Cor. Pit is impracticable.
	A cedar 24 min. in diam. bears S. 77° 15' E. 116-lbs dist. marked T. 26. S. R. 1. W. 5. 29. B. T. No other bearing trees within limits.
	Land broken.

Subdivision of T. 26 S. R. 1. W. Continued.

Soil. Rocky & gravel.

Timber. Scattering cedar & pine.

Mountainous land 80 acs.

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August 17. I set off 13° 10' N. on the decl. arc; and at 12^h M. 2.m. L. observed the sun on the meridian at the cor. to secs 19. 10. 29 1/2. The resulting lat. is 38° 32' N.

East - on a random line bet. sec's 20 & 29.

40.00 Set temporary 1/4 sec. cor.

79.90 Intercept N.E. line at the cor. to sec's 20. 21. 28 & 29.

Hence I run

West - on a line line bet. sec's 20 & 29.

Enter scattering cedar & pine, ascend

24.50 Ridge 200 ft. above sec. cor. bears N.E. & S.W. descend

29.00 Ravine 175 ft. deep. course N.E. ascend

33.40 Ridge. bears N.E. & S.W. descend

39.50 Gulch. 50 ft. deep. course N.E. ascend

39.90 Cut - a brachylo 10 x 10 x 10 ins. 10 ins. in the ground for 1/4 circ. Cor. marshed 1/4 on N. face, and raised a mound of stone 2 ft. base, 1/2 ft. high. 1. of cor. very impracticable. Descend about 400 ft. to

79.90 The cor. to secs 19. 20. 29 1/2. 30.

Land broken.

Soil. Rocky, 4 inches.

Timber. Scattering cedar & pine.

Mountainous land 79.90 acs.

West - on a random line bet. sec's 19 & 30.

40.00 Set temporary 1/4 sec. cor.

80.40 Intercept N.E. side of sp. at cor. to sec's 19.

24.25 1/2 30 hereafter described

Hence I run

East - on a line line bet. sec's 19 & 30

Ascend

3.50 Head of gulch. course S. Enter aspens, ascend

6.00Leave aspens.

Subdivision of T. 26 S. R. 1. N. Continued.

Chain	
7.00	Ridge. bears N. E. ascended
8.00	Enter aspens.
13.00	Leave aspens.
17.00	Descend rapidly
18.00	Enter aspens.
34.00	Leave aspens.
38.76	North Fork of Greenwells cuts 20 ft wide. flows S. E.
38.50	Cañon road. bears N. W. E. E.
40.40	Set a trachyte 18x10x10 ins. 12 ins. in the ground for 1/4 sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pts. impracticable.
	Ascend 200 ft. to
46.40	Ridge. bears N. W. E. ascended
58.10	Ravine 300 ft. deep. course S. E. ascend
74.70	Top of ridge. bears N. W. E. E.
80.40	The cor. to Secs. 14, 20, 28 & 30. Land. broken. Soil. Rocky. & thin. Timber. Aspens. Mountainous land 80:40 chs.

	16° 0' 0" N. Lat. Decs. 14 3/4 30.
	Enter scattering cedar & pine. descend along E. slope.
19.00	Head of ravine. course E. ascend
25.00	Ridge. bears E. of N. descend.
40.00	Set a trachyte 16x8x4 ins. 11 ins. in the ground for 1/4 sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1/2 high. N. of Cor. Pts. impracticable.
61.76	Road. bears E. of N.
66.15	Ravine about 700 ft. below last ridge, course N. E. ascend.
72.60	Ridge. bears N. E. of N. descend to
80.00	Set a trachyte 18x10x7 ins. 12 ins. in the ground for cor. to Secs. 17, 18, 19 3/4 30. marked 3 notches on 1/3 of molten on E. edges, and raised a mound of stone 2 ft. base 1/2 high. N. of Cor. Pts. impracticable

Subdivisions of C. 26. S. P. I. W. Continued.

Chains	<p>Land. broken. Soil. Rocky. 4th salo. Timber. Scattering Cedar & Pine. Mountainous land 80 chs.</p>
	August 14 " 1897
45.00	East - on a random line bet. Secs 17 & 20. Set temporary 1/4 sec. cor.
80.06	Intersect N.W. 1/4 line 12 chs N. of cor. to Secs 16, 17
	Thence I run
	N. 84° 55' W. on a true line bet. Secs 17 & 20 Descend in scattering cedar & pine.
10.50	Ravine 15.0 ft. deep. course E. ascend.
18.00	Ridge. bears N. W. 1/4 S. E. descend
39.00	Enter bottom
40.03	Set a trachyte boulder 12 x 11 x 4 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1 ft. high. N. of cor. pits impracticable.
42.50	Canon road. bears N. W. 1/4 S. E.
43.00	Koocharem Creek 10 chs wide. flows S. E.
	Ascend to
- 80.06	The cor. to Secs 17, 18, 19 & 20.
	Land. broken.
	Soil. Rocks & gravelly 4 th salo.
	Timber. Scattering Cedar & pine.
	Mountainous land. 80.06 chs.
	West - on a random line bet. Secs 18 & 19.
40.00	Set temporary 1/4 sec. cor.
80.80	Intersect N.W. 1/4 of sp. & chs N. of cor. to Secs 15, 18, 19 & 24. boundary described
	Thence I run
	N. 84° 55' E. on a true line bet. Secs 18 & 19.
	Descend gradually in aspen brush
15.00	Descent - becomes steeper.
40.80	Set a trachyte boulder 20 x 10 x 10 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1 ft. high. N. of cor. pits impracticable.
	Enter bottom.

Subdivisions of T. 26. S. R. 1. W. Continued.

Diams.	
41.50	Canyon roads bears N. W. & S. E.
43.25	Koosharem Creek, 6 lbs wide. course S. E. ascend.
44.80	Leaves aspens.
46.80	Rocky point: falls S. descend.
50.10	Enter bottoms. Canyon road. bears N. E. & S. W.
52.20	Enter aspens.
52.40	Koosharem Creek. 6 lbs wide. course N. E.
57.70	Leaves aspens. ascend 225 ft. to
64.70	Point of ridge falls N. descend to
80.80	The Cor. to Secs 17, 18, 19 & 20. Lands. broken. Soil. Rocky. 4 th rate. Timber. Aspens. Mountainous land 80.80 sec.

No. 05 NW. lot. Secs 17 & 18.	
	Descends 300 ft.
6.00	Enter aspens. on bottom.
6.20	Koosharem Creek. 8 lbs wide. flows S. E.
8.00	Canyon road. bears E & W. Leaves aspens ascend
28.00	Ridge 270 ft. above creek. bears S & W. W. Ascend gradually in scattering cedar and pine.
40.00	Set a trachy. 20 x 12 x 9 ins. 15 ins. in the ground for 1/4 sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. S. of Cor. Pile impracticable.
80.80	Set a trachy. 20 x 12 x 9 ins. 15 ins. in the ground for Cor. to Secs 7, 8, 17 & 18. marked 4. inches on S & 5 notches on E. edges, & raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Pile impracticable. On surface 6 ins. in diam. bears N. W. & S. E. dist. marked T. 26. S. R. 1. W. S. T. B. T. & other bearing trees within limits. Lands. broken. Soil. Rocky; gravelly. 4 th rate. Timber. Scattering Cedars, pine & aspens

Subdivision of 1268. A. & M. Landline.

Chains	Mountainous Land 80 chs.
40.00	N. 89° 05' E. on a random line bet. sec. 5 & 17. Set temporary sec. cor.
50.10	Intersect W. 1/2. Line at cor. to sec. 8. 8.18 and 17. Thence S. run
58.00	N. 89° 05' W. on a line line bet. sec. 5 & 17. Enter scattering Cedar & pine. ascend 200 ft. Ridge. bears N. E. S. descend
68.00	Ravine. course S. ascend
70.00	Set a trachyte 15 x 8 x 4 in. 10 in. in the ground for 1/4 sec. Cor. marked 14 on the face and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of Cor. Pile unbreakable.
74.00	Ridge. bears N. W. E. S. comes along S. slope to
80.10	Line cor. to sec. 7. 8.18 & 18. Land. broken & rolling. Soil. rocky & gravelly. Timber. Scattering Cedar & pine. Mountainous land. 80.10 chs.
40.00	S. 89° 05' W. on a random line bet. sec. 5 & 17. Set temporary sec. cor.
58.00	Intersect W. 1/2. Line of sp. at cor. to sec. 7. 12. 13 & 18. boundary described Thence S. run
68.00	N. 89° 05' E. on a line line bet. sec. 5 & 17. Ascend along S. slope
72.00	Gulch. course S. ascend
74.00	Ridge 50 ft. high. bears S. descend.
77.00	Gulch. course S. ascend.
81.00	Ridge. 100 ft. high. bears N. E. S. descend.
84.00	Gulch. course S. E. ascend.
88.00	Set a trachyte 16 x 6 x 4 in. 11 in. in the ground for 1/4 sec. Cor. marked 14 on the face and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of Cor. Pile unbreakable.
93.00	Ridge. bears N. E. S. descend.
73.00	Enter aspens.

Subdivisions of T. 26. S. R. 1. W. Continued.

Chains. 78.25	Leave aspens. The cor. to secs 7. 8. 17 & 18. Land. broken. Soil. Rocky & Gravelly, 4 th rate. Timber. Aspen. Mountainous land 84. cho.
1.00	110°.03' N. Lat: Secs 7 & 18. Ascend. Enter aspens.
2.00	Leave aspens.
23.00	Ridge 600 ft. above Sec. Cor. bears N. E. & W. Thence ascending over rolling ground
40.00	Set a trachyte 18x10x7 ins. 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, 1.5 ft. high. N. of Cor. Pits impracticable.
43.00	Enter aspen & spruce
- 80.00	Set a trachyte 17x11x7 ins. 12 ins. in the ground for cor. to Secs 6. 7 & 18. marked 5 notches on S. & E. edges; and raised a mound of stone 2 ft. base 1.5 ft. high N. of Cor. Pits impracticable. Land. rolling. Soil. Gravelly & rocky, 3 rd rate. Timber. Scattered aspens & spruce Mountainous land 80 cho.
40.00	1189°.05' E. on a random line bet. Secs 5 & 18. Set a trachyte $\frac{1}{4}$ sec. Cor.
80.26	Intersect W. & E. line 3' E. of Cor. to Secs 4. 5. 8 & 9. Thence I run
	1189°.56' W. on a true line bet. Secs 5 & 18.
	Ascend gradually.
24.00	Ridge. bears N. E. & S. W descend
25.00	Enter aspens.
50.00	Ravine. comes N. E. ascend
40.18	Set a trachyte 16x7x6 ins. 10 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face

Subdivisions of T. 26 S. R. 1. W. Continued.

which.

On aspen 8 in. in diam. bears N 32° E
12 lbs dist. marked $\frac{1}{4}$ sec. cor. t.

On aspen 7 in. in diam. bears N 48° W
10 lbs dist. marked $\frac{1}{4}$ sec. cor. t.

80.26 The cor. to secs 5. 6. 7 $\frac{1}{8}$.

d. rolling.

Soil. Gravelly $\frac{1}{2}$ rocky. 3rd rate.

Treher. aspens.

Mountainous land 80.26 obs.

N 89° 56' W. on a random line bet. secs
6 $\frac{1}{8}$ & 7.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

81.10 Intersect W. bds. of Sp. 5 lbs S. of Cor.
to Secs 1. 6. 7 $\frac{1}{8}$. Trichyte described
thence I run

N 89° 58' E. on a true line bet. secs 6 $\frac{1}{8}$ & 7.

Ascend 150 ft.

7.00 Ridge, bears N. E. $\frac{1}{2}$ S. W. descend

8.00 Enter aspens

18.00 Gulch. Course S. ascend, leave aspens

41.10 Set a trichyte 18 x 12 x 10 in. 12 in. in
the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
N. face; and raised a mound of stone
2 ft. base, 1 $\frac{1}{2}$ ft. high. N. of cor. Pit
unpracticable.

55.0 Ridge. bears N. E. S. descend

62.00 Enter spruce & aspens.

81.10 The cor. to secs 5. 6. 7 $\frac{1}{8}$.

and. rolling.

Soil. Gravelly $\frac{1}{2}$ rocky. 3rd rate.

Scattering spruce & aspens.

Mountainous land 81.10 obs.

1° 05' W. Oct. Secs 5 $\frac{1}{8}$, on true line
cend in scattering spruce & aspens,

24.00 Ridge, bears N. E. $\frac{1}{2}$ S. W. descend gradually

40.00 Set a trichyte 16 x 11 x 8 in. 11 in. in the
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N.
face; and raised a mound of stone 2

Subdivision of C. 26 S. R. 1. Ott. Contra

Chain	base, left; high. W. of Con. Pts. impracticable.
53.00	Ravine, crossed R. E. second
- 73.60	Intersect Fifth Standard Parallel L. 6.40 chs. W. of the Standard Con. to Secs 31 & 32. At a tract 10x107. one 12 in. in the ground for clearing Con. to Secs 31 & 32. marked C. C. m. K. with 5' stakes or 3' poles 1' ground on W. faces, and raised a mound of stone 2 ft. base 16 ft. high. C. of Con. Pts. impracticable Land, rolling.
	Soil. Gravelly & rocky 13 2/3 rods.
	Birch. Chattering Spruce & Aspens. Mountainous Land 73.60 Chars.

August 18-1897

General Description.

The land embraced in this survey
is all mountainous unfit for
agriculture, but is covered with a
luxuriant growth of grass, making
it good for grazing.
The timber is mostly scrub cedar
And aspens with some scattering
spruce.

The water from Frenchman Creek is
pure & fresh and is all used by
settlers in and around Frenchman
town which is located on Secs 20 &
25.

There is also a stream of clear fresh
water in the North Fork of Frenchman
Creek, which runs south eastly through
the South western part of the township.
There is no mineral found in the
township.

There are no settlers or improvements
in the part covered by my survey
Latitude & Mountain boundaries are as follows:
Visible.

J. M. McCarty
A. D. Deputy Surveyor.

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Resurvey of Subdivisions of C. 26. S. R. 1. M.

ans. From the cor. to Secs 3. 4. 5. 6. & 7. on
S. body of off.
I run

North on a resurvey line bet. Secs 3. 5 & 7,
40.20 Th. 1/4 sec. cor. bears East 50 chs. dist.
80.40 Th. cor. to Secs 27. 28. 30 & 34. bears E.
60 chs. dist.

The true course of this line is therefore
N $0^{\circ} 26' E.$ and the distance 80.40 chs.

From the cor. to Secs 20. 21. 34 & 35

I run

North on a resurvey line bet. Secs 20. 34 & 35
39.80 Th. 1/4 sec. cor. bears E. 25 chs. dist.
79.60 Th. cor. to Secs 22. 23. 26 & 27 bears
East 49 chs. dist.

The true course of this line is therefore
N $0^{\circ} 21' E.$ and the distance 79.60 chs.

North on a resurvey line bet. Secs 22 & 23

40.00 No trace of old corner

78.00 Th. cor. to Secs 14. 15. 22 & 23 bears N
5.00 chs. dist.

The true course of this line is therefore
N $1^{\circ} 22' W.$ and the distance 78.06 chs.

North on a resurvey line bet. Secs 14 & 15.

40.00 No trace of old corner

80.20 Th. cor. to Secs 10. 11. 14 & 15. bears E
5.28 chs. dist.

The true course of this line is therefore
N $2^{\circ} 21' E.$ and the distance 80.27 chs

North on a resurvey line bet. Secs 10 & 11

40.00 No trace of old corner

80.00 Th. cor. to Secs 2. 3. 10 & 11 bears E 60
dist.

The true course of this line is therefore
N $0^{\circ} 26' E.$ and the distance 80 chs.

Proceedings of Subdivisions of P.L. & W. W.

Chains North on a new survey line between Sec. 2 & 3,
~0.00 Thru Sec. Cor. reads 885 ft. dist.

76.88 Intersect the fifth Standard Parallel
1.170 thos N.W. of Standard Cor. to sec.
34 & 35.

The true course of this line is therefore
 $81^{\circ} 16' E.$ and the distance 76.90 chains.


 John T. Erickson
 Homer McCarty
 H. C. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

....., United States Deputy Surveyor, in surveying all
the parts or portions of the

....., of the

....., meridian, of which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
other monuments established, according to the instructions furnished by the United States Surveyor
General for

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

scribed and sworn to before me this

day of, 180 }

████████
████ NEAL █████
████████

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____
of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189 }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 13, 189

The foregoing field notes of the survey of *the Subdivision of the 13th
26th Range, 1st Meridian, Salt Lake Basin, Utah*, executed by _____

executed by *John T. Breckinridge, Norman McEarly*, under his contract No. 205, dated October 20th, 189_____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B. Beck

United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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F. G. F.
Oct 21, 1897

BOOK A-249

S. 3. B.

FIELD NOTES

OF THE SURVEY OF THE

*and Pickel River of S. 26 & T. 1, N.W.**of the 1st Standard Parallel Meridian,
State of Utah.*

AS SURVEYED BY

James H. Beckard, U.S. Army Corps of Engineers, United States Deputy Surveyor,
Under his Contract No. 208, dated October 2^d, 1897Survey commenced September 2^d, 1897Survey completed September 20th, 1897

-1-

BU 11 04
NAMES AND DUTIES OF ASSISTANTS.

James Marion Chapman
Joseph Folger
Joseph Johnson
Cunningham

C-151

Volume

#

R0249

Salt Lake City, Utah Oct 24th 1899.

2724

Jacob B. Blair

U. S. Surveyor General

Salt Lake City, Utah.

Sir:

In accordance with instructions under letter "E" of the Hon. Commissioner dated July 17th 1899. We have retraced and blazed the lines embraced in our survey under contract #208, in Township R^e 28^S & 29. Range R^e 2. W. and Township R^e 26. S. Range R^e 1. W. In retracing line between Secs 13 & 14. T. 26. S. R. 1. W. we find the distance should be 73.22 chains instead of 72.81 chs. & 4.32 chains west of the Standard Cor. to Secs 33 & 34. T. 25. S. R. 1. W. instead of 4.00 chs west. All other courses and distances are as returned in original notice.

John T. Breckin
Homer McCarty
U. S. Deputy Surveyors

BOOK A-249

INDEX DIAGRAM.

Township _____, *Range* _____

10	11	12				
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	32	33
34	35	36	37	38	39	30

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, James B. Morrison and Joseph Dallig do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

Subdivision of S. 26. I. R. 1. West.

James B. Morrison, Chainman.
Joseph Dallig, Chainman.

Subscribed and sworn to before me this 3rd day of September, 1899 }



Homer M. Barky
my Comm. expires Dec. 18-1901
Notary Public.

WE, _____ and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this _____
day of _____, 1899 }



WE, Joseph Johnson and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

Subdivision of S. 26. I. R. 1. West.

Joseph Johnson, Axman.

, Axman.

Subscribed and sworn to before me this 3rd
day of September, 1899 }



Homer M. Barky
Notary Public.

I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this _____
day of _____, 1899 }



Drawing of
Subdivision of S. 26. T. P. 1. West.

Survey commenced Sept. 5th 1899, and executed with a Gurley Mountain transit with solar attachment.

I examine the adjustments of the transit and correct the level and collimation errors; then to test the solar apparatus, by comparing its indications, resulting from solar observations made during A.M. and P.M. hours, with a true meridian determined by observations on Polaris. I proceed as follows, At the cor. to Secs 2 - 3. 34' & 35' on S. side of off. Latitude 38° 30' N. Longitude 111° 55' W. I set off 38° 30' N. on the lat. arc; 6° 39' W. on the decl. arc; and at 4^h 05^m P.M. L.m.t. determine with the solar a true meridian, and mark a point thereof on a stone firmly set in the ground 5' chs. N. of the corner.

At 8^h 27^m 1^s N. L.m.t. I observe Polaris at eastern elongation in accordance with Manual of Instructions, and mark a point on the line thus determined, on a plug driven in the ground, 5' chs. N. of my station.

September 5th 1899.

September 6: At 7^h. A.M. L.m.t. I lay off the Azimuth of Polaris 1° 34' to the west and mark the true meridian thus determined, by cutting a small groove in the stone set depth in which the true meridian falls 0.4 in. east of the mark determined by the solar.

At 8^h 10^m A.M. L.m.t. I set off 38° 30' on the lat. arc; 6° 24' W. on the decl. arc; and mark a point on the true meridian determined with the solar, by a cross on the stone already set 5' chs. N. of my station; this mark falls 0.4 in. east of the true meridian established by the Polaris observation.

The solar apparatus by P.M. & A.M. observation defines positions for true meridians respectively about 0.21" west and 0.21" east of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the

Survey of
Subdivision of T. 26. R. 1. W. Continued.

Chains	instrument are satisfactory. The magnetic bearing of the true meridian at 8 ^h . 30 ^m A. M. is $41^{\circ} 3' 33''$ W. The angle thus determined, reduced by the table, page 100, gives the mean Mag. decl. $15^{\circ} 30' E.$
--------	---

From the cor. above described, which is a granite 8x10x9 ins. above ground, marked and witnessed as described by the Surveyor General, I run

North on a resurvey line bet. Secs 34 & 35.

40.50	The $\frac{1}{2}$ sec. cor. bears east 56 lks dist.
81.01	The cor. to Secs. 26-27. 34 & 35 bears East 112 lks. The course of this line therefore is $90^{\circ} 48' E$ and the distance 81.02 chains

N $89^{\circ} 33' W.$ on a resurvey line bet. Secs 27 & 34.

40.20 This is Sec. Cor.

80.41 Intersect the cor. to Secs 27-28. 33 & 34, which is a granite 8x14x10 ins. above ground, marked and witnessed as described by the Surveyor General.

The true course of this line therefore is N $89^{\circ} 53' W.$ and the distance 80.41 chains

I

North on a resurvey line bet. Secs 26 & 35

40.00 This $\frac{1}{2}$ sec. Cor. bears east 25 lks dist.

79.96 Intersect 49 lks west of the cor. to Secs 22-23 & 26 & 37, which is a granite 5x10x7 ins. above ground, marked and witnessed as described by the Surveyor General.

The true course of this line therefore is $40^{\circ} 21' E.$ and the distance 79.96 chains.

September 6 " 1899.

Sept 7 " 1899. At 8^h. a. m. I started and set off 38.33^m on the lat. arc; $6^{\circ} 03' S.$ on the decl. arc and determine a true meridian with the solar alt. the cor. to Secs 22-23. 26 & 37, witness from

Survey of
Subdivisions off T. 26 R. 1 W. continued

North on a surveying line bet. Secs 22 & 23.
 39:00 The 1/4 sec. cor. bears west 15° 45' dis.
 18:14 Intersect 3:00 chs east of the cor. to Secs 14 & 15.
 22:15 which is a Flint-rock 8x8x6. mns.
 above ground. marked and witnessed as
 described by the Surveyor General.
 The true course of this line therefore is
 N 2:12' W. and the distance 7.820 chains.
 Sept 7. At this cor. I set off 6:00 N. on the
 decl. arc; and at 12 M. L. m. t. observed the
 sun on the meridian. the resulting lat. is
 38° 33' N.

North on a surveying line bet. Secs 14 & 15.
 40:12 The 1/4 sec. cor. bears east 188 chs. dist.
 80:16 Intersect 3:76 chs west of the cor. to Secs 10 & 11.
 14:8/15 which is a Flint-rock 8x12x10 mns.
 above ground. marked and witnessed as
 described by the Surveyor General.
 The true course of this line therefore is
 N 2:45' E. and the distance 80.25 chs.

Schleswig 7-1894.

Sept. 8. At 5:30 A.M. L. m. t. set off
 38° 33' N. on the decl. arc; 5° 38' N. on the decl.
 arc; and determining a true meridian with
 the solar. at the cor. to S. is 10.11.14 8/10;
 then I run.

North on a surveying line bet. Secs 10 & 11.
 80:10 The 1/4 sec. cor. bears east 3:0 chs. dist.
 80:19 Intersect 196 chs west of the cor. to Secs
 2 & 3-10 8/11. which is a Flint-rock 6x10x6 mns.
 above ground. marked and witnessed as
 described by the Surveyor General.

The true course of this line therefore is
 N 2:45' E. and the distance 80.20 chs.
 Sept. 8. at this cor. I set off 5:35' N. on the
 decl. arc; and at 12 M. L. m. t. observe the
 sun on the meridian. the resulting lat. is
 38° 34' N.

Survey of
Subdivisions of T. 26 R. 7 W.

Chains Both as a resurvey line bet. Secs 2 & 3.
40.00 The Nth Sec. line bears east 11° 30' the dist.
77.09 Intersects the Fifth Standard Parallel S. of
283 chs. west of the Standard Co. line sec.
34 & 35, which is a trapezoid 10414 x 10 m. above
ground, marked and witnessed as described
by the Surveyor General.
The true course of this line therefore is
112° 00' E. and the distance 77 1/4 chains.

September 8th 1899.

John J. Breckon
Horner McCarty
U. S. Deputy Surveyors

Volume

#

R0249

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John T. Breckon,
Homer McCarty, United States Deputy Surveyor to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of Subdivision
of S. 26. S. P. 1. West.

showing the respective capacities in which they acted:

James B. Morrison, Chainman.
Joseph Zollig, Chainman.
,, Moundman.
,, Moundman.
Joseph Johnson, Axman.
,, Axman.
,, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John T. Breckon and
Homer McCarty, United States Deputy Surveyor, in surveying all
those parts or portions of the Subdivision of S. 26. S. P. 1. West

of the Salt Lake
Base and meridian, Utah of Utah, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully ^{re}surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
general for Utah.

James B. Morrison, Chainman.
Joseph Zollig, Chainman.
,, Moundman.
,, Moundman.
Joseph Johnson, Axman.
,, Axman.
,, Flagman.

Subscribed and sworn to before me this 23rd
day of September, 1897 } }



Homer McCarty
Notary Public

My bond expires Dec. 18-1901

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

John J. Breckin & Dennis McCarty United States Deputy Surveyor
solemnly swear that, in pursuance of a contract received from *George W. Davis*
United States Surveyor General for *The District of Idaho*, bearing date of
20th day of *October*, 1896, I have well, faithfully, and truly, in my
proper persons and in strict conformity with the instructions furnished by the United States Surveyor
General for *The District of Idaho*, the Manual of Surveying Instructions, and the laws of
United States, surveyed all those parts or portions of *The subdivisions of the 2d Dist.*
R.D. 1

of the *Salt Lake City*
and meridian, in the *State* of *Idaho*, which are represented in
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance
with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for *The District of Idaho*, and in the specific manner described in the field notes, and
the foregoing are the original field notes of such survey; and should any fraud be detected, I will incur
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

John J. Breckin
Dennis McCarty

United States Deputy Surveyor

Subscribed by said *John J. Breckin* and *Dennis McCarty*, and sworn to before me }
this 20th day of *October*, 1896 }

SEAL

*Jacob T. B. T. B.
G. S. Sharpen Guard*

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Idaho, Oct. 15th 1896.
*The foregoing field notes of the survey of *The subdivisions of the 2d Dist.*
of the Salt Lake City, Idaho, Division, Idaho.*

executed by *John J. Breckin & Dennis McCarty*
under his contract No 208, dated *October 20*, 1896, having
critically examined, and the necessary corrections and explanations made, the said field notes, and
resurveys they describe, are hereby approved.

United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
_____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-249

Y. S. B.

FIELD NOTES

OF THE SURVEY OF THE

*Exterior Boundaries of Salt Lake City**of the Salt Lake Standard Meridian,
State of Utah.*

AS SURVEYED BY

John J. Breckin & Son, United States Deputy Surveyors.

Under his Contract No. 208, dated October 21, 1896

Survey commenced October 21, 1896

Survey completed December 21, 1896

4-181

*W. Day (right) m. ch. mo. 2-40-10¹/2 ✓ 8-09-5¹/2
N. w. f. (right) 5-09-55 ✓ 8-09-5¹/2*

NAMES AND DUTIES OF ASSISTANTS.

Rex. Morrison Chairman

C. C. Morrison Chairman

Thomas Stoll Chairman & Mountman

For preliminary affidavits see book B-

285-R 21W-

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<i>N - Policy</i>	<i>N. Policy</i>
<i>high</i>	<i>high</i>
<i>m. Chs. Wks.</i>	<i>m. Chs. Wks.</i>
<i>1-00-00 ✓</i>	<i>1-00-00 ✓</i>
<i>1-00-00 ✓</i>	<i>1-00-00 ✓</i>
<i>1-40-00 ✓</i>	<i>49-55 ✓</i>
	<i>✓-49-55 ✓</i>
<i>2-40-00</i>	
	<i>8-09-55</i>

Volume

#

R0249

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the surve

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establish of corners, according to the instructions given us, to the best of our skill and ability, in the surve

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of cor and other duties, according to instructions given us, to the best of our skill and ability, in the surve

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and t perform the duties of flagman according to instructions given me, to the best of my skill and ability, in survey of

Subscribed and sworn to before me this }
day of , 189 }



West boundary of V.28.S.R.2. 87.

Survey commenced August 19th 1897
executed with a Gentry Mountain transit
with solar attachment.

I examine the adjustments of the transit
and correct the level and collimation
errors, then to test the solar apparatus by
comparing its indications, resulting from
solar observations made during 1 P.M. &
P.M. hours, with a true meridian determined
by observations on Polaris. I proceed as follows;
August 19th, At the Cor. to Obs 28^E 29^S.
Lat. 38° 20' N. long. 112° 07' W.
which I established July 31st 1897. I set
off 38° 20' N. on the lat. arc, 12° 28' N. on the
decl. arc; determine with the solar a
true meridian, and mark a point thereof
on a stone set firmly in the ground 5.00
chs. E. of the cor.

At 4^h 31^m P.M. L.m.t. I observe Polaris
at Eastern elongation, in accordance
with Manual of Instructions, and mark
a point on the line thus determined on a
cross driven in the ground, 5.00 chs. E.
of my station.

August 19th 1897.

August 20th At 6^h 30^m A.M. L.m.t. I
lay off the azimuth of Polaris 1° 30' to
the east and mark the true meridian
thus determined by driving a small
grouse in the stone set August 19th
on which the true meridian falls 0.3 m.
west of the mark determined by the solar.
At 7^h 35^m = A.M. L.m.t. I set-off 58° 20'
on the lat. arc; 12° 17' N. on the decl. arc;
and mark a point on the true meridian
determined with the solar, by a cross on
the stone already set 5.00 chs. E. of my
station. This mark falls 0.3 m. west of
the true meridian established by the
Polaris observation.

The solar apparatus by F.M. & D.W.

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West Boundary of O. T. S. N. M. Continued

series of observations, defines positions for two meridians, respectively about $6^{\circ} 5'$ east of $0^{\circ} 16'$ west of the true meridian established by the Polaris observations. Therefore I conclude the adjustments of the continent are satisfactory.

The magnetic bearing of the true meridian at $7^{\circ} 40' = \alpha$. In. is $W 15^{\circ} 56' N$. The angle thus determined, reduced by the table, Page 100, gives the mean Mag. decl. $15^{\circ} 01' E$.

I begin at the cor. above described and run.

North lat. Secs. 31 & 36.

Ascend gradually about 100 ft.

Ridge bears N. E. & S. W. descend.

Head of Canon 150 ft. deep. course S. W. ascend.

Set a limestone $1.4 \times 1.2 \times .8$ ins. 9 ins. in the ground for $\frac{1}{4}$ sec. cor marked N. on W. face, and raised a mound of stone 2 ft. base, $\frac{1}{4}$ ft. high. N. of Cor. Pit impracticable.

Top of ridge. bears N. E. & S. W.

Enter spruce & aspen. descend.

Leave spruce.

Head of Canon. course S. W. ascend.

Set a trachyte $1.6 \times 1.2 \times .6$ ins. 11 ins. in the ground for cor. to secs. 26, 30, 31, & 36. marked 1 notch

on S. & S-notches on N. edges; and raised a mound of stone 2 ft. base, $\frac{1}{4}$ ft. high. N. of Cor. Pit impracticable.

No bearing trees within limits.

Land, rolling.

Soil. Rocky & Gravelly, 3 ft. soil.

Timber, aspen & Spruce.

Maintains land 0.8 cha.

North lat. Secs. 25 & 30

Ascend in aspen brush.

Ridge. bears E. & W. descend gradually up slope.

Leave aspens.

Closure. course N. ascend gradually.

Enter aspens.

West-boundary of S. 28. I. R. 2. M. Continued.

Chains 21.70	Lof of ridge. bears E. & W. enter spruce. descend.
25.25	Lof of sandstone cliff 100 ft. high.
25.75	Foot of cliff.
40.00	Set a trachyte 16x8x6 ins. 11 ins. in the ground for 1/4 sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base 1 ft. high. W. of Cor. Pile impracticable. No bearing trees within limits.
51.90	Gulch 1500 ft. below ridge. course N. W. leave spruce. enter Mahogany & oak bush. ascend
56.00	Point of ridge 80 ft. high. bears N. W. descend.
62.40	Canyon. course N. W. Road. bears N. W. E. & S. E. ascend.
66.00	Ridge. 300 ft. high. bears E. & W. descend.
73.50	Tibadore Canyon course W. Creek - the wide flans N. cactæ asperæ
74.00	Canyon road. bears E. & W. ascend, leave asperæ.
80.00	Set a trachyte 16x12x10 ins. 11 ins. in the ground for Cor. to Secs 14. 24. 25 & 30. marked 2 notches on S. & 4 notches on W. edges; and raised a mound of stone 2 ft. base 1 ft. high. W. of Cor. Pile impracticable. Land broken. Soil. Rocky. 1/4 rati;
	Timber. Spruce & Aspen, Mountainous land 80 cho.

North lat. Secs 14 & 24.

Ascend 150 ft.

5.40	Ridge. bears E. & W. descend.
19.40	Ravine. course N. W. ascend
28.90	Foot of ledges and bluffs ascend.
40.00	Set a trachyte 16x8x6 ins. 11 ins. in the ground for 1/4 sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base 1 ft. high. W. of Cor. Pile impracticable. Land broken. Soil rocky & slate, to timber. Mountainous land 40. cho. As it is impossible to measure or set corners farther north on this line I continue the alignment to ridge near the cor. to Sps 27 & 28 S. 11° 2' & 21' W. I mark the point. This line crosses Dry Creek 1000 ft. dep. at three 2 Rd. sandstone overcut 20" 189~

North bound of T. 28. S. R. 2. Vt.

Chains.

As it is impossible to set a temporary Cor. to Secs 27 & 28 S. R. 2 & 2½ W. I Vgo to the established Cor. to Secs 27 & 28 S. R. 1 & 2 W. as heretofore described

thence I run

West bet. Secs 1 & 36

Enter Cedars & pines. ascend 100 ft.

19.00 Ridge. bears N. E. & S. W. descend 200 ft.

26.25 Gulch. course N. E. ascend 200 ft;

31.00 Point of ridge. bears N. E. descend

32.80 Gulch. course N. E. ascend.

40.00 Set a sandstone 16 x 10 x 3 in. 11 in. in the ground for 1/4 sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base. 1 ft. high. N. of Cor. Pits impracticable.

A pine 18 in. in diam. bears N 78° 30' E 124 lks. dist. marked 1/4 S. B. T.

A cedar 4 in. in diam. bears N 62° E. 108 lks. dist. marked 1/4 S. B. T. leave cedars & pines.

58.00 Ridge. bears N. E. & S. W. descend gradually

65.00 Hollow. course N. E. ascend

80.00 Set a trachyte 24 x 14 x 6 in. 18 in. in the ground for Cor to Secs 1. 2. 35 & 36. marked 1 notch on E. & 5 notches on N. edges; and raised a mound of stone 2 ft. base. 1 ft. high. W. of Cor. Pits impracticable.

Ground. broken.

Soil. Rocky, 4 ft. soil.

Timber. Cedar & pine.

Mountainous land 80 chs.

Aug. 21 - at 8^h 30 = A. M. C. m. t. I set off 38° 25' on the lat. arc; 11° 33' on the decl. arc; and determine a true meridian with the solar at the cor. to Secs 1. 2. 35 & 36.

West bet. Secs 2 & 36

Ascend east-slope of mountain.

12.50 Enter aspens.

14.25 Gulch. course N. E.

24.00 Leave aspens.

40.00 Set a trachyte 24 x 8 x 3 in. 18 in. in the ground

9

North Boundary of T. 28, S. R. 2. W. Continued.

0000	for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, 1 ft. high. N. of cor. Pits impracticable.
50.00	Lop. of ridge of mountain. bears N. E. $\frac{1}{2}$ S. W. descend.
54.00	Enter aspen & spruce
61.00	Leave timber, ascend from hollow
66.50	Point of ridge. N. descend.
72.50	Enter aspens
80.00	Set a trachyte 20 x 12 x 12 ins. 15 ins. in the ground for cor. to Secs 2. 3. 34 & 35; marked 2 notches on E. & 4 notches on W. edges; and raised a mound of stone 2 ft. base, 1 ft. high. N. of cor. Pits impracticable. On aspen 5 ins. in diam. bears N. 76° E. 20 lks dist. marked T. 27. S. R. 2. W. S. 34. B. T. On aspen 6 ins. in diam. bears N. 26° W 11 lks dist. marked T. 27. S. R. 2. W. S. 34. B. T. Land, broken, Soil. Rocky 4 th rate, Timber. Aspen and spruce. Mountainous land 80 chs;

	Mast. bit. Secs 3 & 34.
	Enter aspens. ascend,
7.50	Leave aspens, descend from ridge. bearing N. E. S. Enter spruce.
11.00	Hollow, coarse N. ascend,
15.00	Rocky ridge 75-ft. high. bears N. E. S. descend
20.00	Leave spruce. enter aspens.
40.00	Set a sandstone 14 x 10 x 10 ins. 9 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; from which On aspen 18 ins. in diam. bears N. 58° W 11 lks dist. marked $\frac{1}{4}$ S. B. T. On aspen 6 ins. in diam. bears S. 50° W 15 lks dist. marked $\frac{1}{4}$ S. B. T.
54.00	Gulch. coarse N. W. ascend,
74.00	Leave aspens.
80.00	Set a sandstone 14 x 12 x 8 ins. 9 ins. in the ground for cor. to Secs 3. 4. 8. 3 & 34. mark

North boundary of S. 2d. 1. T. 3 N. Cont.

Chains. 3 notches on E. & W. edges; and raised a mound of stone 2 ft. base. 1/2 ft. high. W. of Cor. Pits impracticable.
 Land. rolling top of mountain,
 Soil. Rocky & gravelly, 3 rate.
 Timber. Aspen & spruce.
 Mountainous land 80 chs.
 Aug. 21. At this cor. I set off 11° 5' North the decl. arc; and at 12^h M. L. m. t. observed the sun. on the meridian. The resulting lat. is
 $38^{\circ} 26'$

West. bet. Secs 4. & 5 S.
 Ascend 50 ft.
 6.00 Ridge. bears N. E. S. descend.
 13.80 Gulch. 50 ft. deep. course N.
 14.00 Enter aspens.
 18.00 Gulch 30 ft. deep. course N. ascend
 24.00Leave aspens.
 25.50 Old road. bears N. E. S.
 40.00 Set a sandstone 16 x 14 x 8 ins. 11 ins. in the ground for 1/4 sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base. 1/2 ft. high. W. of Cor. Pits impracticable.
 42.95 Enter aspens. Aspen 15 ins. in diam. on line marked 2 notches on E. & W. sides.
 46.00 Ridge. bears N. E. S. descend.
 52.00 Gulch. course N. ascend.
 58.00 Enter aspens.
 70.00 Ridge. bears N. E. S. Divide bet. River & Grav. Valleys. enter spruce.
 72.50 Top of cliff 100 ft. high. leave spruce & aspens.
 74.00 Foot of cliff. descend gradually.
 - 80.00 Head of gulch. course S. W. Set a sandstone 16 x 14 x 8 ins. 11 ins. in the ground, for Cor. to Secs 4. 5. 6. 32 & 33. marked 4 notches on E. & 2 notches on W. edges; and raised a mound of stone 2 ft. base. 1/2 ft. high. W. of Cor. Pits impracticable.
 Land. rolling top of mountain,
 Soil. Rocky. 4th rate.

North boundary of S. 28. S. R. 2. W. Continued.

Shows	Limber. Spruce & aspen. Mountainous land 80 chs.
	West-bdy. Secs 5 & 32. Ascend 50 ft.
5.00	Point of ridge. bears S. descend
25.70	Dry creek 5 lbs. wide, 3 ins. deep. flows S. W. in Canon. comes S. W. ascend.
40.00	Set-a granite 16 x 14 x 6 ins. 9 ins. in the ground for 1/4 sec. Cor. marked 1/4 on surface; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of Cor. Pits impracticable.
57.00	Enter aspens
60.00	Ridge 800 ft. above creek. bears N. E. & S. W. descend
69.00	Leave aspens.
70.00	Gallows. comes N. E. ascend.
80.00	Set-a granite 18 x 12 x 6 ins. 12 ins. in the ground for cor. to Secs 5 & 6. 31 & 32. marked 5 notches on E. if, notch on W. edges; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of Cor. Pits impracticable. Land broken.
	Soil. Granular & rocky. 3-4 in. strata. Limber. Aspen.
	Mountainous land 80. chs.
	West-bdy. Secs 6 & 31. Ascend 1000 ft.
40.00	Lop. of ridge. bears N. E. & S. W. Set-a granite 17 x 14 x 11 ins. 12 ins. in the ground for 1/4 sec. Cor. marked 1/4 on surface; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of Cor. Pits impracticable.
	Descend in scattering spruce & aspens.
49.55	Intersect West-boundary of Lp. as continued North during survey of West-bdy. and at point of intersection. Set-a granite 24 x 14 x 12 ins. 18 ins. in the ground for Cor. to Lp. 27 & 28 S. R. 2 & 1/2 N. marked

North Boundary of S. 28. T. R. 2. W. Continued.

27. S. on N.E.

2. W. on S.E.

28 S. on S.W.

2. W. on N.W. faces; with a notch on each edge, and raised a mound of stone 2 ft; base, 1.5 ft. high. S. of Cor. It is impracticable Land. Broken

Soil. Rocky, 4' slate.

Timber. Scattered spruce & aspen.

Mountainous land 49.55 chs.

August 31st 1897.

Note. For General Description, see
subdivision of this township

John T. Breckin
George McCarley
U. S. Deputy Surveyors.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____ showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

*

of the _____

meridian, _____ of _____, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

scribed and sworn to before me this _____
day of _____, 189 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of the _____ day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189_____ }

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O SEAL O
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APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

W. H. Dickey, U.S. Surveyor, March 13, 1899

The foregoing field notes of the survey of *the West South Boundary of Township 28, South Range 2, West of the Salt Lake Base and Meridians, Utah*

executed by *John C. Preston & Son, Surveyors*,
under *contract No. 208*, dated *October 20, 1896*, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob F. B. T. B. T. B.

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-249

No. 3. B.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision of Sec. 8, T. R. & W.

*of the Salt Lake Baseline Meridian,
State of Utah.*

AS SURVEYED BY

*John J. Bruchon & Son, U. S. Deputy Surveyors,
under his Contract No. 208, dated October 20th, 1896*

Survey commenced May 1st 1896, 1896

Survey completed August 28th, 1896, 1896

*Sect. (high) m. obs. 46-52-51
drawings 63-94-1*

Peterson's Conty - 4-03-20 ✓

NAMES AND DUTIES OF ASSISTANTS.

Pix. Johnson Chairman

C. H. Johnson Chairman

Joseph Johnson Chairman

Chas. Bowman Chairman

Thomas Taitt Axeman & Mountman

Joseph Polley Axeman & Mountman

For preliminary affidavits see Book C.

A-249

Subs.

301

T. 285-R 2 W -

high low m. ch. lots - change

1 - 00-00 ✓	39-00 ✓
✓ - 00-00 ✓	37-00 ✓
✓ - 00-00 ✓	2-00 ✓
✓ - 00-00 ✓	75-02 ✓
✓ - 00-00 ✓	5.66 ✓
✓ - 00-00 ✓	71-85 ✓
✓ - 00-00 ✓	4-98 ✓
✓ - 00-00 ✓	68.70 ✓
✓ - 05.22 ✓	2.80 ✓
✓ - 05.66 ✓	11.75 ✓
✓ - 00-00 ✓	79.90 ✓
✓ - 00-00 ✓	12.20 ✓
✓ - 00-00 ✓	79-90 ✓
✓ - 00-00 ✓	79-60 ✓
✓ - 00-00 ✓	79-80 ✓
✓ - 00-00 ✓	79-80 ✓
✓ - 00-00 ✓	79-80 ✓
✓ - 00-00 ✓	12-30 ✓
✓ - 00-00 ✓	12-30 ✓
✓ - 00-00 ✓	12-25 ✓
✓ - 00-00 ✓	62.30 ✓
✓ - 00-00 ✓	62.32 ✓
✓ - 00-00 ✓	62-32 ✓
✓ - 00-00 ✓	12.25 ✓
✓ - 00-00 ✓	12.25 ✓
✓ - 00-00 ✓	12.25 ✓
✓ - 00-00 ✓	12.25 ✓

46-52.51 63.94 ✓

✓ 104

amt
Retractions

m. ch. lots -
 ✓ - 00-40 ✓
 ✓ - 01-50 ✓
 ✓ - 03-20 ✓
 ✓ - 03-10 ✓

122
 80) 1012 (12
 80
 212
 16
 52

4.03.20 ✓

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____
day of _____, 189 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 189 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 189 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 }



Subdivisions of V. 28. t. T. 2. Vt.

Survey commenced August 19th 1897.
And executed with a Gurley Surveyor
transit & Gurley Mountain transit cases
with solar attachment.

At the Cor. to Lcs ... 34° 55' established
by me July 31st 1897. Lat: 38° 20' N. Long.
112° 06' W. I set-off 38° 20' N. on the Lat. arc;
12° 29' N. on the decl. arc; and at 4° 30' E. P.M.
Com. t. determine with the solar a true
meridian, and mark a point thereof, on
a stone set firmly in the ground 5.00 chs.
N. of the Cor.

At 9^h 31^m P.M. I.m. t. I observe Polaris
at Eastern elongation, in accordance with
Manual of Instructions, and mark a point
in the line thus determined, on a plug
driven in the ground 5.00 chs. N. of my
station.

August 19th 1897.

August 20th. At 6^h 50^m A.M. Com. t. I lay
off the azimuth of Polaris 1° 35' to the west
and mark the true meridian thus determined
by cutting a small groove in the stone
set August 19th on which the true meridian
falls 0.4 in. west of the mark determined
by the solar.

At 8^h 10' A.M. Com. t. I set-off 38° 20' on
the Lat. arc. 12° 16' W. on the decl. arc; and
mark a point in the true meridian
determined with the solar, by a cross on
the stone already set 6.00 chs. N. of my
station. This mark falls 0.3 in. east of
the true meridian established by the
Polaris observation.

The solar apparatus by P.W. & A. M. ob-
servations defines positions for true meridians
respectively about 0.21" east & 0.16" west
of the meridian established by the Polaris
observations, therefore, I conclude the ad-
justments of the instrument are satisfactory.
The magnetic bearing of the true

Division of T. 28. R. 17. K. W. Continued.

Chains	meridians. at $8^{\circ} 30' =$ A. N. S. is $7^{\circ} 15' 06''$ W. The angle thus determined, reduced by the table, page 100, gives the true decl. decl. $15' 01' E.$
	C. begins at the cor. to Secs. $24 \frac{1}{2}$ & 35, as herebefore described, and runs A. $0^{\circ} 01' W.$ bet. Secs. $24 \frac{1}{2}$ & 35.
13.30	Enter scattering cedars. ascend 150 ft. to Gulch. course S. E. thence N. E. ascend.
24.00	Set. a brachyte $76 \times 10 \times 6$ ins 11 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; from which a pine 18 ins. in diam. bears $W 16' 30' E$ 82 lbs dist. marked $\frac{1}{4}$ S. B. T.
	A pine 10 ins. in diam. bears $S 40' W 67' E$ dist. marked $\frac{1}{4}$ S. B. T.
50.00	Ridge bears N. W. of S. E. descend 150 ft.
74.00	Gulch course N. E. ascend
76.00	Top of ascent. descend.
78.30	Canon. course S. E. ascend.
80.00	Set. a sandstone $14 \times 10 \times 7$ ins. 9 ins. in the ground for Cor. to Secs. $26 \cdot 27 \cdot 34 \frac{1}{2} \cdot 35$. marked , notch on S. E. 2 notches on E. edges; from which a cedar 30 ins. in diam. bears $W 72' 20' E$ 106 lbs dist. marked T. 28. S. R. 2. W. 326. B. T.
	A cedar 24 ins. in diam. bears $S 70' 50' E$ 30 lbs dist. marked T. 28. S. R. 2. W. 3. 35; B. T.
	A cedar 24 ins. in diam. bears $S 84' 10' W 108' E$ dist. marked T. 28. S. R. 2. W. 5. 34. B. T.
	A cedar 6 ins. in diam. bears $W 41' 10' W 39' E$ dist. marked T. 28. S. R. 2. W. 5. 37. B. T.
	Sand. broken.
	Soil. rocky. 4 th rate.
	Timber. Scrub cedar & pines.
	Mountainous land 80 chs.

East on a random line bet. Secs. $26 \frac{1}{2}$ & 35 -
39.00 Intersect 24 lbs S. of the $\frac{1}{4}$ sec. cor. which
is a granite $5 \times 4 \times 4$ ins above ground, small
and witnessed as described by the Surveyor
General.

Then I run

Subdivision of T. 28. S. R. 2. W. Continued.

Chains 89° 40' W. on a true line bet. Secs 26 & 35.
from the $\frac{1}{4}$ Sec. Cor.

Enter scattering Cedars & pines. descend
5.50 Ravine 100 ft. deep. course S.E. ascend
22.00 Ridge. bears N & S. descend,
32.00 Gulch. course S.E.
39.00 The Cor. to Secs 26. 27. 34 & 35.
Land. broken.
Soil. Rocky. 4th rate.
Limber. Cedars & pines.
Mountainous land 39. chs.

W. 0° 0' W. bet. Secs 26 & 27.
Ascend in cedars & pines.
11.00 Ridge. bears N.W & S.E. descend.
20.00 Gulch 75 ft. deep. course N.E. ascend
38.00 Ridge. bears E. & W. descend.
40.00 Set a granite 17 x 9 x 8 ins. 12 ins. in the
for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face;
from which.
A cedar 5 ins. in diam. bears S 18° 40' E 32
chs. dist. marked $\frac{1}{4}$ S. 18. T.
A cedar 15 ins. in diam. bears S 04° 20' W 82
chs dist. marked $\frac{1}{4}$ S. 03. T.
58.25 Canyon. course S.E. Creek 2 chs wide. flows
S.E.
62.00 Ascend.
80.00 Set a trachyte 16 x 7 x 6 ins. 11 ins. in the ground
for Cor. to Secs 22. 23. 26 & 27. marked 2 notches
on S. & E. edges; and raised a mound of
stone. 2 ft. base. 1/2 ft. high. N. of Cor. Bits
infractile.
A pine 8 ins. in diam. bears N. 24° 15' W 47th
dist. marked T. 28. S. R. 2. W. S. 22. 18. T.
A pine 10 ins. in diam. bears S 24° W 48th
dist. marked T. 28. S. R. 2. W. S. 27. 18. T.
No other bearing trees within limits.
Land. broken.
Soil. Sandy. 3rd rate.
Limber. Young Cedars & pines.
Mountainous land 80 chs.

Subdivision of T. 28. R. 2. W. Continued

Dims	W. 89° 49' E. on a random line bet. Sec's 23 & 26
37.00	Entered 1.76 chs. S. of the $\frac{1}{4}$ sec. cor. which is a granite 6 x 10 x 4 ins. above ground, marked & witnessed as described by the Surveyor General. Hence I now
	West - on a true line bet. Sec's 23 & 26 from the $\frac{1}{4}$ sec. cor.
	Enter Cedars & pines, ascend
17.00	Ridge. bears N. W. & S. E. descend
27.00	Gulch 50 ft. deep, course S. E.
37.00	Entered 2.00 chs. N. of the cor. to Sec's 22 & 23. 26 By 27. I destroy all marks pertaining to Sec's 23 & 26, from old cor. and set a sandstone 74 x 10 x 6 ins. 9 ins in the ground for Closing Cor. to Sec's 23 & 26. marked C.C. on E. with 2 grooves on S. & E. faces; from which A cedar 18 ins. in diam. bears N. 55° E. 19 ft. dist. marked T. 28. 5. R. 2. W. 8. 26. B. T.
	A pine 12 ins. in diam. bears S. 54° E. 85 ft. dist. marked T. 28. 5. R. 2. W. 8. 26. B. T.
	Land. broken.
	Soil. Sandy & rocky & slate,
	Timber. Scrub Cedar & pines.
	Mountainous land 37% chs.

	N. 0° 01' W. Det. Sec's 22 & 23.
	Enter Cedars & pines. ascend.
7.00	Ridge. bears N. W. & S. E. descend
12.00	Gulch. course S. E. ascend
19.00	Ridge. bears N. W. & S. E. descend
26.00	Ravine course S. E. ascend 44.00 ft.
38.00	Ridge. bears N. W. & S. E. descend
40.00	Set a granite 14 x 10 x 6 ins. 9 ins in the ground for $\frac{1}{4}$ sec. cor. marked N. W. face; from which A pine 12 ins. in diam. bears N. 62° 35' W. 35' Chs dist. marked 14 S. B. T.
	A cedar 18 ins. in diam. bears N. 54° 35' W. 37' Chs dist. marked 14 S. B. T.
41.00	Gulch 300 ft. deep. course S. E. ascend
58.00	Ridge. bears N. W. & S. E. descend

Subdivision of T. 28. S. R. 3. M. W. Continued.

Chains 76.50	Leave Cedars & pines. Enter Cotton course S.E.
78.00	Ascend.
80.00	Set a granite 16x15x8 ins. 11 ins. in the ground for cor. to Secs 14, 15 & 22 & 23. marked 3 notches on S. & 2 notches on E. edges; and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pits impracticable. A pine 20 ins. in diam. bears $99^{\circ} 15' N$ 46.00 dist. marked T. 28. S. R. 2. M. W. S. 15 & 13. T.
	Land. Broken.
	Soil. Granular & rocky & slate.
	Timber. Pine & Spruce.
	Mountainous land 80 chs.

	East on a random line bet. Secs 14 & 23.
40.00	Set temporary $\frac{1}{4}$ sec. cor.
75.02	Interrupt NW by S. line 5.66 chs. S. of the Cor. to Secs 13, 14, 23 & 24 which is a granite 4x10x 8 ins. above ground marked & situated as described by the Surveyor General. thence I run
	Meet on a true line bet. Secs 14 & 23
	Descend in Cedars & pines.
23.00	Cotton. course S. E. ascend.
35.02	Set a trachyte 18x10x8 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. to Sec. 14. marked $\frac{1}{4}$ on N. face; from which A pine 6 ins. in diam. bears $932^{\circ} 15' N$ 39 ch. dist. marked $\frac{1}{4}$ S. 14. B. T. A pine 5 ins. in diam. bears $938^{\circ} 40' E$ 22 ch. dist. marked $\frac{1}{4}$ S. 14. B. T.
40.00	Set a trachyte 16x10x11 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. to Sec. 23. marked $\frac{1}{4}$ on N. face; from which A pine 10 ins. in diam. bears $916^{\circ} 15' E$ 18 ch. dist. marked $\frac{1}{4}$ S. 23. B. T. A pine 10 ins. in diam. bears $93.8^{\circ} E$ 71 ch. dist. marked $\frac{1}{4}$ S. 23. B. T.
58.00	Point of ridge. bears S. descend.
64.00	Gulch 150 ft. deep. course S. ascend.

Subdivision of T. 28 S. R. 2. W. Continued.

Chain 68.00	Point of ridge. bears S. descend 50 ft. limited
75.00	Gulch. comes S. E. ascend 25 ft. to
75.05	Intersect 5.66 chs N. of the cor. to Secs 14, 15, 2 & 23. I destroy all marks pertaining to Secs 14 & 23. from old cor. and set a trachyte 15 x 10 x 4 ins. 10 ins. in the ground for Closing Cor. to Secs 14 & 23. marked C.C. on E. with 3 grooves on S. 2 grooves on E. faces; and raised a mound of stone 2 ft. base. 1 ft. high. E. of Cor. This impracticable.
	Land. broken.
	Dail. Rocky. 4 th rate.
	Limber. Cedar & pine.
	Mountainous land. 75.02 chs.

August 20th 1897

	Finishing the cor. to Secs 13, 14, 23 & 24.
	I run.
	It 89° 50' E. bet. Secs 13 & 24.
14.98	Set a trachyte 16 x 12 x 7 ins. 11 ins. in the ground. for Cor. to Secs 14 & 13. marked 3 grooves in S. and 1 groove on E. faces; and raised a mound of stone 2 ft. base. 1 ft. high. N. of Cor. This impracticable. A cedar 8 ins. in diam. bears It. 76° 10' E. 70 lbs. dist. marked T. 28 S. R. 2. W. 8. 13. 13. T. A pine 15 ins. in diam. bears It. 69° W. 42. 00 dist. marked T. 28. S. R. 2. W. 8. 14. 13. T. I destroy all marks from old cor. pertaining to Secs 13 & 14.

	Finishing the E. body of th. to be out of limits thence I run.
	Continuation ^{1/2} bet. Secs 13 & 14
	Ascend in scattering Cedars & pines.
5.00	Ridge. bears N. W. E. & S. E. descend
20.25	Canyon 400 ft. deep. comes S. E. Ascend,
35.00	Ridge bears N. W. E. & S. E. descend.
40.00	Set a trachyte 16 x 14 x 8 ins. 11 ins. in the ground for 1/4 sec. cor. marked N. on W. face; from which
	A pine 5 ins. in diam. bears It. 62° 25' S. 97.00 lbs

Subdivision of T. 28. S. R. 2. W. Continued.

Chains	dist. marked $\frac{1}{4}$ S. B. T. A pine 5 ins. in diam. bears $81^{\circ} 35' \text{W}$ 46 lks dist. marked $\frac{1}{4}$ S. B. T.
44.90	Canyon 500 ft. deep. course S. E. ascend.
65.00	Ridge. bears E. End N. descend
80.00	Set-a bachele $10 \times 14 \times 6$ ins. 11 ins. in the ground for Cor. to Secs 11, 12, 13 & 14. marked 4 notches on S. & 1 notch on E. edges; from which
80 ⁰⁰ ft 498 ft	A pine 6 ins. in diam. bears $82^{\circ} 30' \text{E}$ 55 lks dist. marked T. 28. S. R. 2. W. 5, 12, 13, T
	A cedar 6 ins. in diam. bears $87^{\circ} 40' \text{E}$ 42 lks dist. marked T. 28. S. R. 2. W. 5, 13, 15, T
	A pine 6 ins. in diam. bears 81°W 09 lks dist. marked T. 28. S. R. 2. W. 5, 14, 15, T
	A pine 6 ins. in diam. bears $85^{\circ} 49' 45' \text{W}$ 68 lks dist. marked T. 28. S. R. 2. W. 5, 11, 13, T
	Land. broken.
	Soil. Rocky. 4 th rate.
	Timber. Scrub cedars & pines.
	Mountainous land 80. chs.
	Aug. 21. At this cor. at 8.30 a.m. C.M.T. I set off $38^{\circ} 20'$ on the lat. arc; $11^{\circ} 35' \text{N}$. on the decl. arc; and determine a true mer- idian with the solar.
40.00	$89^{\circ} 50' \text{E}$. on a random line bet. Secs 12 & 13. Set temporary $\frac{1}{4}$ sec. cor.
71.85	Intersect E. bdy. of off 20. lks S. of Cor. to Secs 7, 12, 13 & 14 which is a granite $6 \times 8 \times 6$ ins. above ground, marked and measured as described by the Surveyor General. Thence I run
	$89^{\circ} 40' \text{W}$. on a true line bet. Secs 12 & 13. Ascend gradually in scattering cedars & pines.
10.00	Ridge. bears N. W. & S. E. descend 50 ft.
20.20	Canyon. course S. E. ascend.
81.85	Set-a granite $10 \times 14 \times 8$ ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. to Sec. 12. marked $\frac{1}{4}$ on N. face; spined around if stone 2 ft. base 1 ft. high. A pine 6 ins. in diam. bears $81^{\circ} 30' \text{W}$ 35 lks

Subdivision of S. 28. S. R. 2. W. Continued

rain	dist.: marked $\frac{1}{4}$ S. 12. B.T.
35.00	Ridge. bears N.E. & S.W. descend.
40.00	Set a granite $16 \times 14 \times 8$ ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base. 1 ft. high. W. of Cor. Pits impracticable.
43.00	Gulch. course N. E. 100 ft. deep.
59.00	Ridge. bears N.E. & S.W. descend
62.20	Gulch. course N. E. ascend.
69.00	Ridge. bears N.E. & S.W. descend to the Cor. to Secs 11, 12, 13 & 14,
71.80	Land. broken. Soil. Rocky. 4 th rate.
	Limber. Scrub Cedars & pines.
	Mountainous land 71.83 - chs.

North between Secs 11 & 12.

8.65	Enter scattering cedars & pines. descend 150 ft.
15.00	Canyon course N.E. Road. bears N.E. & S.W. ascend.
22.90	Ridge. bears E. & W. descend.
26.00	Gulch. course N. E. ascend.
27.50	Point of ridge. bears E. descend.
40.00	Gulch 50 ft. deep. course S. E. ascend. Top of ridge. bears E. & W. Set a trachyte $17 \times 12 \times 6$ ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; from which A pine 10 ins. in diam. bears N. $37^{\circ} 40'$ E. 12 ins. marked $\frac{1}{4}$ S. B.T.
53.00	A pine 8 ins. in diam. bears N. $50^{\circ} 35' W$ 3-3 lks dist.: marked $\frac{1}{4}$ S. B.T.
65.00	Descend.
68.00	Canyon. course S. E. Road in bottoms, ascend
80.00	Ridge 200 ft. high. bears N. W. & S. E. descend Set a trachyte $14 \times 10 \times 8$ ins. 9 ins. in the ground for cor. to Secs 1, 2, 11 & 12. marked 3 matches on E. and 1 match on S. edges; and raised a mound of stone. 2 ft. base, 1 ft. high. W. of Cor. Pits impracticable.
	Land. broken. Soil. Rocky. 4 th rate.
	Limber. Scattering scrub cedars & pines.

Subdivision of T. 28-S. R. 2. W. Continued.

Cham.	Mountainous land 80 chs. August 21" At this cor. I set off $11^{\circ} 52' N.$ on the decl. arc; and at 12^{th} M. L. m. t. observed the sun on the meridian the resulting lat. is $38^{\circ} 24' N$
40.00	$89^{\circ} 40' E.$ on a random line bet. Secs 1 & 1/2. Set temporary $\frac{1}{4}$ sec. cor.
68.70	Intersect V.C. body of Sp. 2.80 chs $\frac{1}{4}^{\text{th}} E$ of Cor. to Secs 16.7 & 1/2. as hitherto described. I destroy all marks pertaining to Secs 1 & 1/2 from old cor. and at 3.28 chs. $12^{\circ} 11' E$ set a sandstone $14 \times 10 \times 8$ ins. 9 ins. in the ground for Closing Cor. to Secs 1 & 1/2. marked C.C. on N. with 3 grooves on S. $\frac{1}{4}$ groove on N. faces; and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pits impracticable. thence I run
7.70	West on a true line bet. Secs 1 & 1/2. Enter scattering cedars & pines. descend
8.65	Enter mouth of Canon. course S. E. Leave Canon. ascend.
28.70	Set a sandstone $14 \times 10 \times 8$ ins. 9 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pits impracticable. On ridge. bears N. E. & S. W. 100 ft. above Canon. descend.
34.20	Dulch. course N. E. ascend.
43.25	Point of ridge. bears N. E. descend
49.20	Dulch 50 ft. deep. course S. E. ascend to
68.70	The cor. to Secs 1. 2. 11 & 1/2. Land broken.
	Soil. Rocky. 4 br. rate.
	Timber. Scattering scrub cedars & pines. Mountainous land 68-70 chs.

Division of J. 28. S. R. 2. W. Continued.

names. South. on a random line bet. Secs 1 & 2.
40.00 Cut temporary N. Sec. Cor.

40.22 Intercept N. side of Sp. 11.75 chs. E. of Cor. to
Secs 1, 2, 3 & 4/36. as heretofore described.

Set a trachyte 18x12x6 ins. 12 ins. in the
ground for Closing Cor. to Secs 1 & 2. marked
C.C. on it with 1 groove on E. & 6 grooves on
W. faces; and raised a mound of stone 2 ft.
base. 1/2 ft. high. S. of Cor. Site impracticable
I destroy all marks from old Cor. pertaining
to Secs 1 & 2.

Thence I run

South. on a true line bet. Secs 1 & 2.
Ascend 200 ft.

18.50 Ridge. bears E & W. descend.

30.50 Gulch 100 ft. deep. comes E. ascend.

35.20 Ridge. bears E & W. descend 200 ft. in cedar 8' min.

40.22 Set a trachyte 16x12x7 ins. 11 ins. in the ground
for N. Sec. Cor. Marked 1/4 on W. face; from which
A cedar 8 ins. in diam. bears S 85° E. 20 chs
marked 1/4 S. B. T.

A pine 10 ins. in diam. bears S 20° 05' W 44°
the dist. marked 1/4 S. B. T.

55.00 Canon. course S 84° E. ascend.

70.00 Ridge. 500 ft. high. bears E & W. descend,

83.00 Same cedar as 5 min.

85.12 Canon. course E. ascend.

86.22 The cor. to Secs 1, 2, 11 & 1/2.

Land broken

Soil. Rocky. 4th rate.

Timber. Cedars & pines.

Peculiarities Land 83-22 chs

August 21st 1897

Fig. 22. At 7th A.M. I set off 38° 22'
on the N. arc; 11° 57' W. on the decl. arc; and
determine a true meridian with the solar
at the cor. to Secs 16 & 22.

Thence I run

S 0° 01' W. bet. Secs 15 & 123.

Ascend.

5.66 The closing cor. to Secs 14 & 23.

Thence bet. Secs 14 & 15.

Subdivisions of V. 28. S. 67. 2. N. Continued.

Chains.	
8.10	Gulch. course S.E., ascending
17.60	Ridge 150 ft. high. bears N.W. & S.E. descend
37.50	Gulch. course S.E. ascend.
40.00	Set a bacheyle 15 x 6 x 6 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face, ^{to Sec. 15.} and raised a mound of stone 2 ft. base. 1 ft. high. W. of Cor. Pits impracticable.
	2 mahogany 14 ins. in diam. bears SSW.
	20' W. of the last: marked $\frac{1}{4}$ S. B. T.
48.00	Set a bacheyle 74 x 12 x 3 ins. 9 ins. in the ground for $\frac{1}{4}$ sec. Cor. to sec. 14, marked $\frac{1}{4}$ on W. face; and raised a mound of stone, 2 ft. base. 1 ft. high. W. of Cor. Pits impracticable.
62.66	Spring. flows S.E.
68.30	Ridge. bears E. & N. descend.
69.50	Enter aspens.
75.60	Gulch. course S.E. ascend.
74.20	Leave aspens.
83.00	Set a bacheyle 14 x 10 x 6 ins. 9 ins. in the ground, of on Cor. to secs 10 & 15 marked 4 scratches on $\frac{1}{4}$ of 3 scratches on E. edges; and raised a mound of stone 2 ft. base. 1 ft. high. W. of Cor. Pits impracticable then set: secs 10 & 14.
81.60	Ridge. bears N. & W. descend.
83.66	Set a bacheyle 16 x 11 x 7 ins. 11 ins. in the ground for Cor. to Secs 11 & 14, marked C. Cor. with 4 grooves on $\frac{1}{4}$ of 3. groove on E. faces; and raised a mound of stone 2 ft. base. 1 ft. high. E. of Cor. Pits impracticable Soil. broken.
	Soil. rocky, 4 th rate.
	Timber. aspen. after scattering cedar & Mahogany.
	Mountainous land 85-66 chs.
	East - on a random line bet: Secs 11 & 14.
40.00	Set temporary $\frac{1}{4}$ sec. Cor.
79.90	Intersect N. & S. line at cor. to Secs 11, 12, 10 & 14 then I now rest - on a

Subdivisions of C. 18 S. R. 2. N. Continued.

Chains.	
39.95	Ascend gradually along S. side of Canon Set a trachyte 16x14x7 ins. 11 ins. in the ground for 1/4 sec. Cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of Cor. Pits impracticable.
40.90	The cor. to sec 11 & 14. Land. mountainous. Soil. Rocky, 1/4 th. water. by timber. Mountainous land 79.90 chs.
	No. 01 Mr. Bet. Secs 10 & 11. Descend 100 ft.
8.40	Canon course E. Road. bears E. & W.
9.47	Creek 1 1/2 miles. flows E.
11.00	Ascend
27.00	Ridge 200 ft. high. bears E. & W. descend
34.34	Set a trachyte 12x12x10 ins. 8 ins. in the ground for 1/4 sec. Cor. to sec 10. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Pits impracticable.
39.00	Ravine. course E. thereat S. C. ascend.
40.00	Set a trachyte 20x14x5 ins. 10 ins. in the ground for 1/4 sec. Cor. to sec 10. marked 1/4 on W. face, & raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Pits impracticable.
49.00	Ridge. bears E. & W. Enter. cedar & pine. descend 200 ft.
56.00	Canon. course E. bears timber.
56.90	Road. bears E. & W. ascend.
74.34	Set a trachyte 18x8x6 ins. 12 ins. in the ground for cor. to Secs 3 & 10. marked 5 notches on S. & 1 notch on E. edges; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Pits impracticable.
80.00	Set a trachyte 20x9x8 ins. 15 ins. in the ground for Cor. to Secs 2 & 11. marked 5 grooves on S. and 2 grooves on E. faces; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. E. of Cor. Pits impracticable. Land. broken.

Subdivision of S. 28. S. R. 2. W. Continued

Chains	Soil. Rocky. 4 th rate. Timber. Cedars & pines, scattering. Mountainous land 80. chs. <small>Aug. 22, 1897. At this con. I set off 14° 32' N. on the decl. line, and at 12 = th. lmt. to observe the sun as the meridian, the resulting lat. is 58° 24' N.</small>
40.00	East - on a random line bet: Secs 2 & 11 Set temporary 1/4 sec. cor.
80.00	Intersect N. E. lmt. line at cor. to Secs 1. 2 11 & 12. thence I run.
	West - on a true line bet: Secs 2 & 11, Ascend along S. side of canon.
40.00	Set a trachyte 14 x 11 x 6 inos. 12 ino. in the ground for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pts. impracticable.
60.00	Top of ridge .600 ft. above sec. cor. bears N. W. of S. E. descend along S. slope to the cor. to Secs 2 & 11.
80.00	Land. broken. Soil. Rocky. 4 th rate. Timber. a few scattering cedars & pines. Mountainous land 80.00 chs.
10.00	No. 01 'W. on a random line bet: secos 2 & 13, Set temporary 1/4 sec. cor.
85.01	Intersect N. lmt. of S. 12. 20 chs E. of cor. to Secs 2. 3. 34 & 1/3 5. as heretofore described I destroy all marks pertaining to Secs 2 & 1/3 5. and Set a trachyte 10 x 9 x 8 inos. 16 inos. in the ground for Closing Cor. to Secs 2 & 13. marked C.C. on S. with 2 grooves on E. & 4 grooves on W. faces; and raised a mound of stone 2 ft. base. 1 1/2 ft. high S. of cor. Pts. impracticable.
	thence I run
	No. 01 'E. on a true line bet: Secs 2 & 13, Ascend
17.00	Top of mountain bears N. E. 3/4 W. descend
40.00	Head of canon. course E. enter spruce & aspens. ascend.
46.01	Set a trachyte 16 x 8 x 6 inos. 11 inos. in the

Subdivision of C. 28. T. 17. R. Vt. Continued.

Chains	ground for $\frac{1}{4}$ sec. cor. to sec. 2 marked $\frac{1}{4}$ on W. face; from which a spruce 8 ins. in diam. bears N. 4° 30' E. 11. dist. marked $\frac{1}{4}$. S. 2. B. T.
	A spruce 6 ins. in diam. bears N. 31° 15' E. 30. dist. marked $\frac{1}{4}$. S. 2. B. T.
49.00	Top of ridge. bears E. E. W. descend. leave timber
50.67	Set a tractry to $20 \times 10 \times 8$ ins. 16 ins. on the ground for $\frac{1}{4}$ sec. cor. to sec. 3. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base, 1 ft. high. W. of cor. Pits impracticable.
	Enter scattering Cedars & pines.
76.00	Cross ridge. bearing S. W. E. S. E.
85.01	The cor. to Secs. 2. E. 11.
	Land. Broken.
	Soil. Rocky. 4 th rate.
	Timber. Spruce, aspen, Cedar & pine.
	Moraineous land. 85.01 chs.
	August 22 1899

August 23. At 7-10th A.M. I m. 6. I set off 38° 20' from the lat. arc; 11.16' W. on the decl. arc; and determine a true meridian with the solar at the cor. to Secs. 1. 3. 3. 4. on S. bdy. of Mts. as heretofore described.

Then I run

N. 0° 01' W. bet. sec's 3. 3. E. 3. 2.

Around 1,000 ft. in a scattering cedars & pines.

11.00	Foot of ledges 200 ft. high.
21.50	Top of ledges. Ridge. bears E. E. W. descend 30 ft.
29.50	Ravine. Course E. ascend.
33.00	Point of ridge. 150 ft. high. bears E. descend.
35.50	Ravine. course S. E. ascend.
40.00	Set a sandstone $1.8 \times 12 \times 1.0$ ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base, 1 ft. high. W. of cor. Pits impracticable.
49.20	Ridge. 350 ft. above $\frac{1}{4}$ sec. cor. bears E. E. W. descend 600 ft.
59.60	Canon, course E. leaves cedar & pine, enter brush

Subdivision of T. 28. S. R. 2. W. Continued.

71.60	Crabs 2 like mds. flamo E.
72.00	Leave bush. enter scattering cedars & pines. ascend.
78.00	Point of ridge. 60 ft. high. bears S.E. descend
80.00	Set a sandstone 16x12x6 ins. 11 ins. in the ground for cor. to Secs 27. 28. 33 & 34. marked 1 notch on S. & 3 notches on E. edges; from which a cottonwood 12 ins. in diam. bears N 2° E 98 like dist: marked T. 28. S. R. 2. W. S 27. B.T. A cedar 6 ins. in diam. bears S 56° E 30° 8 0 like dist: marked T. 28. S. R. 2. W. S. 34. B.T. A pine 16 ins. in diam. bears S 09° 15' W 130 like dist: marked T. 28. S. R. 2. W. S. 33. B.T. A cedar 27 ins. in diam. bears N 84° W 128 like dist: marked T. 28. S. R. 2. W. S. 28. B.T. Land. broken, Soil. Rocky & eratic.
	Limber. Scattering cedars & pines. Mountainous land 80. chs.

40.00	Cairn on a sandstone line bet. Secs 27 & 34 Set temporary N. line. Cor.
79.90	Entered H. & J. line 23 lbs S. of cor to Secs 26. 27. 34 & 35; thence I run
3.60	S 89° 30' W. on a tree line bet. Secs 27 & 34 descend 300 ft. in scattering cedars & pines. Ravine. course S.E. ascend
39.95	Set a trachyte 14x8x5 ins. 9 ins. in the ground for 1/4 sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base. 1/2 ft. high. N. of Cor. Pits impracticable.
42.00	Ridge. bears N. W. & S. E. descend.
56.00	Ravine. course S. ascend
71.00	Point of ridge. 100 ft. high. bears S. descend.
78.50	Canyon. course S.E. ascend to
79.90	The cor. to Secs 27. 28. 33 & 34. Land. broken, Soil. Rocky. & eratic.
	Limber. Scattering scrub cedars & pines. Mountainous land 79.90 chs

Subdivision of S. 28. S. R. 2. W. Continued

Chain	No. 01. W. bet. Secs 27 & 28. Descend 40 ft. in scattering cedar & pine. Canyon, course S. E. ascend Point of ridge. 200 ft. high. bears N. descend, Gulch. course S. W. ascend, Set a trachyte 14 x 10 x 5 in. 9 in. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face, from which A cedar 15 in. in diam. bears S. 29° W. 91 lbs dist: marked $\frac{1}{4}$ S. B. T. A pine 12 in. in diam. bears N. 34° W. 42 lbs dist: marked $\frac{1}{4}$ S. B. T.
44.00	Ridge. bears N. W. 21° S. E. descend 300 ft; Canyon. course E. ascend Ridge. 400 ft. high. bears E. 31° W. descend Gulch. course E. Set a limestone 12 x 10 x 8 in. 8 in. in the ground for cor. to Secs 21, 22, 27 & 28 marked 2 notches on S. & 3 notches on E. edges; and raised a mound of stone 2 ft. base 1/2 ft. high. N. of Cor. Pits impracticable. A pine 24 in. in diam. bears N. 38° E. 82 lbs dist: marked T. 28. S. R. 2. W. S. 22. B. T. A pine 30 in. in diam. bears S. 57° 30' E. 80 lbs. dist: marked T. 28. S. R. 2. W. S. 27. B. T. A pine 30 in. in diam. bears N. 85° 30' W. 184 lbs. dist: marked T. 28. S. R. 2. W. S. 21. B. T. No other bearing trees within limits. Sand, broken Soil. Gravelly & rocky. 4 ft. slate. Linen. Scattering scrub cedar & pine. Mountainous land 80 chs. Aug. 23" at this cor. I set off 11° 11' N. on the Decl. arc; and at 12 ^h M. L. m. t observe the sun on the meridian. the resulting lat. is $38^{\circ} 22' 11''$
40.00	No. 01. S. on a random line bet. Secs 22 & 23 Set temporary $\frac{1}{4}$ sec. Cor. Intersect M. 31. S. line 27 chs. S. of cor. to Secs 22 & 23.
79.60	Since I now $38^{\circ} 41' W.$ on a line line bet. Secs 22 & 23

40.00 No. 01. S. on a random line bet. Secs 22 & 23
Set temporary $\frac{1}{4}$ sec. Cor.
Intersect M. 31. S. line 27 chs. S. of cor. to Secs
22 & 23.

Since I now
 $38^{\circ} 41' W.$ on a line line bet. Secs 22 & 23

Subdivision of T-28. S.R.L. W. Continued

mins

- Ascend in scattering cedars & pines
 1.60 Point of ridge. bears S.E. descend.
 3.10 Gulch 80 ft. deep. course S.E. ascend.
 9.00 Ridge. bears N.E. S. descend
 18.10 Gulch 200 ft. deep. course S.E. ascend.
 29.40 Ridge. bears N.W. E. S. E. descend.
 33.50 Gulch. course S.E. ascend
 34.80 Det. a limestone 16 x 14 x 10 mins. 11 mins. in thickness
 for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face;
 from which
 A pine 20 mins. in diam. bears S. 60° W. 64°
 dist. marked $\frac{1}{4}$ S. 13. T.
 A cedar 10 mins. in diam. bears S. 56° W. 41°
 dist. marked $\frac{1}{4}$ S. 13. T.
 53.50 Ridge 200 ft. high. bears N. W. E. S. E. descend.
 67.30 Canyon. course S.E. . . .
 70.00 Enter gulch. course E. ascend. 130 ft. to
 79.60 The cor. to Secs 21. 22. 27 & 28.
 not broken.

Soil. Rocky & salty.

Timber. Scattering scrub cedars & pines,
 mountainous land 79.60 ch.

(No. 51 Mr. Bel. Secs 21 & 22,

Ascend 50 ft. in scattering cedars & pines.

- 3.50 Ridge. bears E. descend.
 6.00 Gulch 80 ft. deep. course E. ascend.
 11.50 Point of ridge. 80 ft. high. falls S.E. down
 26.00 Bottom of Canyon. course S.E. ascend 200 ft.;
 37.00 Point of ridge. bears W. descend.
 40.00 Gulch. course S.W. Det. a sandstone 12 x 10
 x 8 mins. 8 mins. in thickness for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on W. face; from which
 A pine 15 mins. in diam. bears N. 16° . 30° W. 70° to the
 dist. marked $\frac{1}{4}$ S. 13. T.
 A pine 16 mins. in diam. bears N. 16° . 30° W. 93°
 the dist. marked $\frac{1}{4}$ S. 13. T.
 Ascend.
 57.00 Point of ridge. bears E. descend
 53.00 Gulch. course S.E. ascend 200 ft.
 67.50 Ridge. bears N. W. E. S. E. descend 150 ft.

Subdivision of S. 28. S. T. 2. W. Continued.

76.00	Gulch. course E. ascend 100 ft;
80.00	Point of ridge. bears E. Set a sandstone 18x 10x8 in. 12 in. in the ground for cor. to sec's 15, 16, 21 & 22. marked 28. S. on N. E.
	2. W. on S. E. with 3 notches on S. E. edges; raised a mound of stone 2 ft. base 1/2 ft. high. N. of Cor. This impracticable. A pine 18 in. in diam. bears S 38° 30' E 57° W dist. marked T. 28. S. R. 2. W. S. 22. S. T.
	A pine 18 in. in diam. bears S 44° 50' W 40° W dist. marked T. 28. S. R. 2. W. S. 21. S. T. No other bearing trees within limits.
	Land. broken.
	Soil. Rocky. 4 th ratio.
	Timber. Scattering scrub cedar & pines.
	Mountainous land 80 chs.
	' 89° 41' E. on a random line bet. sec's 15 & 22,
14.00	Set temporary 1/4 sec. Cor.
79.80	Intersect W. S. S. line 9 chs N. of Cor. to sec's 15 & 22.
	Then I run
	89° 45' W. on a true line bet. sec's 15 & 22, descend in scattering cedar & pines.
2.90	Canyon. course S. E. ascend.
19.00	Point of ridge. bears S. E. descend
22.50	Gulch. course S. E. ascend.
39.90	Set a granite 20x12x8 in. 15 in. in the ground for 1/4 sec. Cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1/2 ft. high. N. of Cor. This impracticable.
53.00	Ridge. bears W. W. E. S. E. descend 300 ft;
69.00	Canyon. course S. E. ascend to
- 79.80	The cor. to sec's 15, 16, 21 & 22.
	Land. Broken.
	Soil. Rocky. 4 th ratio.
	Timber. Scattering scrub cedar & pines.
	Mountainous land 79.80 chs
	August 23" 1897

Aug. 24." 1897 I set off 58° 23' on the lat. arc; 10° 53' Mon
decl. arc; and at 7^h 15^m A. M. l. m. t. determine a true
meridian with the solar at the cor. to sec's 15, 16, 21 & 22

Subdivision of T. 28. S. R. 2. W. Continued

On main

No. 01 N.W. bet. Sec. 10 & 11.

Descend 100 ft. in scattering cedar & pine.

12.00 Canon. course S.E. ascend 500 ft.

34.00 Ridge. bears N. E. & S. E. descend 200 ft.

39.20 Canon. course S.E.

40.00 Set a sandstone 18x14x12 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base. 1 $\frac{1}{2}$ high. N. of Cor. Pit impracticable.

45.20 Ascend 500 ft. in mahogany.

69.60 Ridge. bears E. & N. leaves mahogany. enter

76.50 Head of Canon. course E. ascend.

78.00 Leave timber.

80.00 Set a sandstone 18x12x10 ins. 12 ins. in the ground for Cor. to decs 9. 10. 11. & 12. marked 4 notches on S. & 3 notches on E. edges, and raised a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high. N. of Cor. Pit impracticable.

Land. broken.

Soil. Rocky. 4 $\frac{1}{2}$ rats,

Timber. Spruce, Mahogany & scattering Cedars & pines.

Mountainous land 80 chs

N 89° 45' E. on a random line bet. Secs 10 & 11

40.00 Set temporary $\frac{1}{4}$ sec. cor.

79.80 Intersect M. E. & S. line 700 ft. N. of Cor. to sec 10 & 11.

thence I run

N 89° 48' W. on a true line bet. Secs 10 & 11.

Ascend S. slope of ridge.

10.00 Cross ridge. bears N. E. & S. W. ascend

20.00 Top of ledge & slide rock. Enter scattering

39.90 Set a sandstone 18x14x8 ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high. N. of Cor. Pit impracticable

46.00 Top of ridge, 1000 ft. above Sec. Cor. bears N. W. & S. E. leaves ledges & slide rocky.

descend

Subdivision of C. 28. S. P. 2. W. Continued

0 hours	Gulch 250 ft. deep. courses S. E. leave cedar, ascend to
- 79.80	The cor. to Secs 9, 10, 15 & 16. Land. broken. Soil. Rocky 4 th rate. Timber. Scattering cedar, Mountainous land 79.80 chs.
26.00	9 ^o :01 M. W. bel. Secs 9 & 10. Ascend 600 ft; Ridge, bears N. 87° E. entire spruce & aspen descend, 300 ft;
- 57.00	Head of Canyon. courses N. E. leave timber ascend
- 40.00	Set a trachy to 16 x 11 x 7 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Pilots impracticable
- 50.00	Set a trachy to 18 x 14 x 7 ins. 12 ins. in the ground for cor. to Secs 3, 4, 9 & 10 marked 3 notches on S. & 3 notches on E. edges, and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Pilots impracticable Land. broken. Soil. Rocky. 2 nd rate. Timber. Spruce & aspen, Mountainous land. 80. chs
Aug. 24. I set off 10° 50' N. on the decl. acc; and at 12 ^h 48 ^m L. m. b. observe the sun on the meridian. The resulting lat. is 38° 24'. At the cor. to Secs 3, 4, 9 & 10. thence S. west	
4.00	W. 89° 48' E. on a random line bet. Secs 3 & 10 Set temporary 1/4 sec. cor.
8.0.10	Entered N. E. line 20 lds N. of cor. to Secs 3 & 10.
thence S. west	
4.00	West - in a true line bet. Secs 3 & 10, entire scattering cedar & pine, ascend 20 ft.
9.00	Point of ridge, bears S. descend
9.00	Ravine 200 ft. deep. course S. ascend

Subdivisions of T. 28. S. R. 2. N. Continued

On ridge 16.00	Ridge beam & El. S. descend.
21.50	Gulch 50 ft. deep. courses. ascend. along W. side of canon.
40.05	Set a trachyte 17 x 11 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face, and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pit impracticable. The cor. to Secs 3. 4. 9 $\frac{1}{10}$.
80.10	Land. broken. Soil. Rocky. 4 ft. elev. Timber. Scattering cedars & pines. Mountainous land 8. 0. 10 cho.
<hr/>	
40.05 W. on a random line bet. Secs 3 & 4.	
40.00	Set temporary $\frac{1}{4}$ sec. Cor.
90.47	Intersect N. bdy. of Sp. 12-30 cho E. of cor. to Secs 3 & 4 & 5 $\frac{1}{4}$, as heretofore described. Strike all marks pertaining to Secs 5 & 4 $\frac{1}{4}$. Set a sandstone 16 x 14 x 6 ins. 11 ins. in the ground for Closing Cor. to Secs 3 & 4, marked C.C. on S. with 3 grooves on E. & W. faces; $\frac{1}{4}$ raised a mound of stone 2 ft. base, 1 ft. high. S. of Cor. An aspen 6 ins. in diam. bears $132^{\circ} 30' E 15'$. Its dist. marked T. 28. S. R. 2. N. S. 3. B. T. An aspen 8 ins. in diam. bears $11^{\circ} 20' W 80'$ Its dist. marked T. 28. S. R. 2. N. S. 4. B. T. thence I run
Do. 01 E. bet. Secs 3 & 4, on a true line	
	Ascend in aspen & spruce.
80.47	Set a trachyte 16 x 12 x 8 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face, from which
	An aspen 8 ins. in diam. bears $127^{\circ} E 14'$. Its dist. marked $\frac{1}{4}$ S. B. T.
	A spruce 18 ins. in diam. bears $137^{\circ} W 32'$. Its dist. marked $\frac{1}{4}$ S. B. T.
58.50	Top of ridge 500 ft. above closing cor. Bears $11^{\circ} E \frac{1}{2} S. W.$ same aspen & spruce. Enter scattering cedar & pine. descend to
90.4	The cor. to Secs 3. 4. 9 $\frac{1}{10}$. Land. broken.

- Subdivisions of C. 28. S. R. 2. W. Continued

Chains	Soil. Rocky. 4 th ratio. Timber. Spruce. asper. cedar & pine. Mountainous land 90-47 chs.
	August - 24 " 1897
Aug. 26 -	At 7 th A.M. I set off 38° 20' on the lat. arc; 10° 35' N. on the decl. arc; and determine a true meridian with the solar at the cor. to Secs. 32 & 33. on S. side of M. hence I run No. 02 W. bel. Secs 32 & 33.
Ascend. over boulders in scattering cedar & pines.	
12.00	Ridge. bears E. E/W. entire mahogany. descend gradually
36.50	Leave timber. ✓
40.00	Set a trachyte 16 x 11 x 7 in. 11 in. in the ground for 1 st sec. cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1/2 ft. high. W. of cor. Pits impracticable.
42.50	Gulch 500 ft. deep. course S. W. ascend,
67.00	Ridge. bears N. W. & S. E. descend 200 ft.
80.00	Canyon. course S. E. Set a trachyte 16 x 12 x 7 in. 11 in. in the ground for cor. to Secs 28-29-32 & 33. marked 1 notch on S. & 4 notches on E. edges; and raised a mound of stone 2 ft. base. 1/2 ft. high. W. of cor. Pits impracticable.
	Land. broken.
	Soil. Rocky. 4 th ratio.
	Timber. Cedar. pine & Mahogany
	Mountainous land 80 chs. ✓
11.00	First in a random line bel. Secs 28 & 33. west mountain in sec. cor.
87.00	Intersection N. E. S. line at cor. to Secs 27-28-30 Pits
	Hence I run
	Crest in a true line bel. Secs 28 & 33.
	Ascend in scattering cedar & pine.
67.00	Ridge. bears N. W. & S. E. descend.
29.00	Gulch. course S. W. ascend

Subdivision of S. 28. S. R. 2 - W. Continued.

- 40.00 Set a sandstone 18x12x6 in. 12 miles thw
 ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. faces,
 and raised a mound of stone 2 ft. base 1 ft.
 high. N. of Cor. Pilot impracticable.
 49.00 Top of ridge 400 ft. above sec. Cor. bears E.
 W. descend.
 56.25 Gulch 150 ft. deep. comes S. E. ascend
 64.50 Ridge. bears N. W. E. S. E. descend.
 67.50 Ravine 200 ft. deep. comes S. E. - ascend.
 72.50 Ridge. bears N. W. E. S. E. descend.
 80.00 The cor to sec 18-29-32 E/50.
 Land. broken.
 Soil. Rocky. $\frac{1}{4}$ th. slate.
 Timber. Scattering cedar & pine.
 Mountainous land 80 chs.

No: 02 Mr. bel. Ses 28 Ep 29,

Ascend on scattering cedar & pine.

- 8.50 Ridge .150 ft. high. bears S.W. E. & S.E. descended
 19.80 Ravine. comes S.E. ascend. leaves cedar & pine.
 40.00 Set a sandstone 16 x 10 x 4 ins. 11 ins. in the
 ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face;
 and raised a mound of stones 2 ft. bare
 1 $\frac{1}{2}$ ft. high. W. of cor. Pts. impracticable.
 61.00 Top of ridge 1200 ft. above sec. Cor. bears
 S.E. W. Enter aspen & spruce. descended,
 80.00 Set a sandstone 14 x 12 x 6 ins. 9 ins. in the
 ground for cor. to secs 20-21. 28 & 29. marked
 2 notches on S. & 4 notches on E. edges; from which
 An aspen 6 ins. in diam. bears S. 12° 45' E 21
 lks. dist. marked T. 28. S. R. 2. W. S. 21. B. T.
 An aspen 4 ins. in diam. bears S. 14° 25' E 14
 lks. dist. marked T. 28. S. R. 2. W. S. 21. B. T.
 A spruce 6 ins. in diam. bears S. 48° 20' W. 79.
 lks. dist. marked T. 28. S. R. 2. W. S. 21. B. T.
 An aspen 6 ins. in diam. bears S. 41° 15' W. 40
 lks. dist. marked T. 28. S. R. 2. W. S. 20. B. T.
 Land. broken
 Rocky. 4 miles.
 Limber. Cedar. Pine. Spruce & aspen.
 Mountainous land 80 chs.

Subdivision of U. S. G. I. P. S. N. Cont.

Chain	Aug. 25, I set off 10° 29' on the due east and at 12° 00' from E. observe the sun on the meridian. the resulting lat. is 38° 21' at the cor. to sec 20-21. 28° 8' 29". Then I run East on a random line bet. Secs 21 & 28. Set temporary N. Sec. Cor. Scattered W. E. S. line at cor to Secs 21 & 28. 27° 8' 29". Then I run West on a true line bet. Secs 21 & 28. Enter scattering cedars 3 ft. min. ascend 150 ft. 10.50 Ridge. bears N. W. E. S. E. ascend S. slopes 39.97 set a sandstone 16 x 12 x 8 ins. 11 ins. on the ground for N. Sec. Cor. marked N. on W. face, and raised a mound of stone 2 ft. base 1 ft. high. Pt. of Cor. Pts. impracticable. Foot of bluff 80 ft. high. bears N. E. S. E. N. Top of bluff. ascend gradually. 70.00 Cross head of ravine. course S. under aspens. 78.94 The cor. to Secs 20-21. 28° 8' 29". Found broken. Soil. Rocky & gravel. Timber. Scattering scumb cedars 4 ft. min. & aspens. Mountainous land 79.94 chs.
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Chain	79.97-87. Set. Secs 20-21. Enter spruce & aspen descend. 8.00 Top of ridge. bears E. S. E. N. Divide bet. two of Grass Valleys. bears timber ascend. 10.50 Ridge. bears E. S. E. N. descend. 16.50 Enter spruce & aspen. 30.00 bears timber. 40.00 Set a trachyte 16 x 11 x 5 ins. 11 ins. on the ground for N. Sec. Cor. marked N. on W. face, and raised a mound of stone 2 ft. base 1 ft. high. Pt. of Cor. Pts. impracticable. Crosses 80 ft. below ridge. Course E. ascend Set a trachyte 16 x 12 x 4 ins. 11 ins. on the ground for cor. to Secs 16-17. 20° 8' 29". marked S. outlines on S. & S. on the N. edges, and raised
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Subdivision of S. 28, T. R. 2, N. Continued.

a mound of stone 2 ft. base, 1 ft. high.
W. of Cor. Pits impracticable
Land broken,
Soil. Rocky & gravel,
Lumber. Spruce & Aspen,
Mountainous land 80 chs.

East on a random line bet. Secs 16 & 21,

40.00 Set temporary 4 sec. cor.
80.00 Intersect N & S. line at cor. to Secs 15, 16, 21
Aug 21.

thence I run

West on a true line bet. Secs 16 & 21,

Enter scattering cedar & pine, ascend 300 ft.,

11.50 Ridge. bears N. W. & S. E., descend 350 ft.

26.50 Ravine. comes S. E. ascend 400 ft.

38.50 Ridge. bears N. W. & S. E. descend.

40.00 Set a sandstone 12 x 10 x 5 ins. 8 ins. in the
ground for 1/4 sec. cor. marked 1/4 on N. face;
and raised a mound of stone 2 ft. base, 1 ft.
high. W. of Cor. Pits impracticable.

57.00 Ravine. comes S. E. leaves cedar & pine,
ascend S. slope of high mountain.

80.00 Th cor to Secs 16, 17, 20 Aug 21,
Land broken.

Rocky & gravel,

Scattering scrub cedar & pine,
Mountainous land 80 chs.

Aug 22

0.02 W. bet. Secs 16 & 17.

Ascend steep side of mountain.

40.00 Set a trachyte 17 x 11 x 6 ins. 11 ins. in the
ground for 1/4 sec. cor. marked 1/4 on N. face;
and raised a mound of stone 2 ft. base, 1 ft.
high. W. of Cor. Pits impracticable.

46.00 Top of ridge. bears N. E. & S. W. Divide bet.
Sawyer & Grass Valleys. descend gradually

80.00 Set a trachyte 18 x 14 x 11 ins. 12 ins. in the
ground for cor. to Secs 8, 9, 16 Aug 21, marked

4 mottles on S. E. edges; and raised a
mound of stone 2 ft. base, 1 1/2 ft. high. W.

Subdivision of C.T.S. S.P.L. 2. 07. Continued

no min.

of Cor. It's impracticable.

Land. high mountains.

Soil. Rocky & talus.

Timber. Scattering groves of aspens.

Mountainous land 80 chs.
Aug. 26: at this m. at 8^h 55^m A.M. L.M.T. set off 58.25' on the latitude, 10° 11'
on the declination, and determine a bearing.

East - on a random line bet. Secs 9 & 10.

40.00 Set - temporary 1/4 sec. Cor.

79.90 Intercept N.Y.J. line. at cor. to Secs 9 & 10.
15- $\frac{3}{4}$ 16.

Then I run

West - on a true line bet. Secs 9 & 10.

ascend

4.50 Small gulch. comes S.E. ascend

11.10 Foot of bluff 50 ft. high

12.00 Top of bluff. ascend gradually

25.00 Ridge. bears N.E. Divides between denim
of Grass Valleys.

Descend gradually in scattering aspens.

39.9 Set a trachyte 14 x 8 x 0 - ins. 9 ins. in the
dist. for 1/4 sec. Cor. marked 1/4 on W. face;
from which

An aspen 8 ins. in diam. bears 945° E 14' W
dist. marked 1/4 S. B. T.

An aspen 8 ins. in diam. bears 938° 30' W
23 chs dist. marked 1/4 S. B. T.

79.90 The cor. to Secs 8, 9, 10 & 17.

Land. high mountains

Soil. Rocky & talus.

Timber. Scattering groves of aspens.

Mountainous land 79.90 chs.

0° 02' W. bet. Secs 8 & 9.

Enter aspens & scattering spruce.
descend gradually

35.00 Ravine. comes W. ascend

40.00 Set a lava stone 16 x 12 x 7 ins. 11 ins. in
the ground for 1/4 sec. Cor. Marked 1/4 on
W. face; and raised a mound of
2 ft. base 1 1/2 ft. high. W. of Cor. It's im-
practicable. No bearing tree within limits

Subdivision of T. 28, S. R. 2. M. Cont'd.

- 60.00 West-point of ridge. bears E $\frac{1}{4}$ N. descend
in heavy timber.
- 80.00 Set a trachyte 14 x 10 x 6-in. 4-in. in the
ground for cor. to Secs 4. 5. 8 $\frac{1}{4}$. marked
5 notches on S. $\frac{1}{4}$ notches on E; edges; from
which a spruce 9-in. in diam. bears $88^{\circ} E$
8 lbs dist: marked T. 28. 3. R. 2. M. S. 4. B. T.
A spruce 8-in. in diam. bears $85^{\circ} E$. 18 lbs
dist: marked T. 28. 5. R. 2. M. S. 9. B. T.
A spruce 10-in. in diam. bears $87^{\circ} 15' W$
12 lbs dist: marked T. 28. 8. R. 2. M. S. 8. B. T.
A spruce 10-in. in diam. bears $7860^{\circ} 15' W$
12 lbs dist: marked T. 28. 5. R. 2. M. S. 5. B. T.
and rolling.

~~Soil. Rocks & gravelly & shale,
Larch, Aspen & Spruce.
Mountainous land 80. chs.~~

Aug. 26. " I set off 10° 09' N. on the decl. arc,
and at 12 $\frac{1}{2}$ m. l.m. to observe the sun
on the meridian. the resulting lat. is
 $38^{\circ} 24'$; at the cor. to Secs 4. 5. 8 $\frac{1}{4}$,
thence I run

- East on a random line bet. Secs 4 $\frac{1}{4}$.
- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
- 80.10 Intersect N. E. line at cor. to Secs 3. 4
 $\frac{1}{4}$ $\frac{1}{10}$.

thence I run

- West on a line line bet. Secs 4 $\frac{1}{4}$.
- Ascend.

- 12.00 End of ridge. bears N. E. $\frac{1}{4}$ N. Divide bet.
 $\frac{1}{4}$ Grass Valley.

Descend in spruce & aspens.

- 40.00 Set a trachyte 20 x 12 x 6-in. 15-in. in the
ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on G. face;
from which

An aspen 6-in. in diam. bears $948^{\circ} 45' E$
22 lbs dist: marked $\frac{1}{4}$ S. B. T.

A pine 8-in. in diam. bears $81^{\circ} 55' W$
12 lbs dist: marked $\frac{1}{4}$ S. B. T.

Descend gradually.

Subdivision of C. 28. S. R. 2. W. Continued

Chorus 80.10	The cor. to Secs 4. 5. 8 & 9. Land. high mountains. Soil. Rocky & Granitic. 4 th sati. Timber. Aspen & Spruce. Mountainous land 80.10 chs.
80.00	1'. 5'. 0' N. on a random line bet. Secs 4 & 5; Set temporary 1/4 sec. cor.
90.70	Enter into N. body of cliff 12' 25" chs. E. of cor. to Secs 4. 5. - 32 & 33. as heretofore described I destroy all marks from old cor. pertaining to Secs 4 & 5 and Set a sandstone 12 x 12 x 10 ins. 9. ins. in ground for closing Cor. to Secs 4 & 5. small C.C. on S. with 4 grooves on E & 2 grooves on W. faces; from which A pine 8 ins. in diam. bears 175° 30' 8" 22" 40" dist: marked T. 28. S. R. 2. W. 5. 4. B. T. A pine 24 ins. in diam. bears 179° 15' 0" 17' 25" dist: marked T. 28. S. R. 2. W. 5. 5. 13. T. hence I run So' 0' 2' E. bet. Secs 4 & 5.
10.70	Enter spruce & aspen. ascend 100 ft; Ridge. bears 4. W. 3/4 S. E. Divide between Lower & Grass Valleys. descend 250 ft;
18.00	Ravine. course S. W. ascend.
27.70	Ridge. bears 4. W. 3/4 S. E. lower timber. descend
35.00	Ravine. course W. enter timber. ascend
38.70	Set a trachyte 16 x 11 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; from which
	2 spruce 10 ins. in diam. bears 178° 8' 38" 40" dist: marked 1/4 S. B. T.
	A spruce 12 ins. in diam. bears 162° 10' W dist: marked 1/4 S. B. T.
78.10	Ridge 800 ft. above ravine. bears E. 3/4. descend to
90.70	The cor. to Secs 4. 5. 8 & 9. Land. broken. Soil. Rocky. 4 th sati. Timber. aspen & spruce,

Subdivision of T. 28. S. R. 2. VT. continued

ans. Mountainous land 90.70 acs.

August 26th 1897

August 27th At 4^h 05^m = a. m. l.m.b. I set off 68° 20' in the lat. arc; 9° 55' in the decl. arc; and determine a true meridian with the solar. at the cor. to Deco 31° 8' 32". S. decl. of ob. horizon described thence I run

No: 03' N. bet. Secs 31 & 32.

Ascend 100 ft;

3.50 Ridge. bears E & W. thence ascending over rolling ground. sloping E.

40.00 Set a trachyte 14 x 11 x 10 cms. 9 ins. in the ground for 1/4 dec. cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base. 1 h ft. high. N. of cor. Pits impracticable

57.00 Gulch 50 ft. deep. comes S. E. ascend

80.00 Set a granite 18 x 10 x 7 ins. 12 ins. in the ground for cor. to Deco 29.30.31 & 32. marked 1 notch on S. & 5 notches on E. edges; and raised a mound of stone 2 ft. base 1 h ft. high. N. of cor. Pits impracticable. Land. rolling.

Soil. Rocky. 1st sati.

No timber

Mountainous land 80 acs.

East - in a random line bet. Secs 29 & 32.

40.00 Set temporary 1/4 dec. cor.

80.02 Intersect W & S. line at cor. to Secs 28-29.32
& 33.

thence I run

West on a true line bet. Secs 29 & 32.

Ascend 200 ft;

22.00 Ridge. bears N. W & S. E. descend 100 ft;

26.00 Ravine. comes S. E. ascend 100 ft;

30.00 Ridge. bears N. W & S. E. descend

40.01 Hollow. comes S. Set a trachyte 16 x 12 x 8 ins. 11 ins. in the ground for 1/4 dec. cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base 1 h ft. high. N. of cor. Pits impracticable

Subdivisions of T. 28, S. R. 2, N. Continued.

names.

second

- 80.02 The cor. to Secs 29-30-31 & 32.

Land. broken.

Soil. Rocky, 4th rati.

No timber.

Morainous land 80.02 chs.

Meet on a random line bet. Secs 30 & 31.

40.00 Set temporary N. Sec. Cor.

62.30 Intercept W. bdy. of Sp. at cor. to Secs 25-30
31 & 32. as heretofore described.

Thence I run East on true line between 30 & 31

scattering aspens and spruce

Entire aspens ascend

18.30 Ridge. bears N.E. & S.W. Divide bet. divide
of Grass Valleys. descend gradually

22.30 Set a trachy to 16 x 10 x 4 in. 11 in. in the
ground for 1/4 sec. Cor. marked 1/4 on N. face
and raised a mound of stone 2 ft. base,
1 ft. high. N. of Cor. Pits impracticable

43.30 Head of ravine. course S. E. ascend 0-0 ft.

51.00 Point of ridge falls S. descend.

60.00 Leave aspens and spruce.

- 62.30 The cor. to Secs 29-30-31 & 32.

Land. rolling.

Soil. Rocky & Gravelly. 3rd rati.

Timber. Scattered aspens & spruce

Morainous land 02.30 chs.

.27. I set off 9° 47' N. on the decl. arc;
and at 12^h M. l. m. t. observe the sun on w
meridian. the resulting Lat. is 38° 21' N
at the cor. to Secs 29-30-31 & 32.

Thence I run

10° 05' N. decl. Secs 29 & 30.

descend

4.50 Entire aspens & spruce.

12.00 Ridge. bears E. & W. Divide bet. divide
of Grass Valleys. descend 400 ft.

30.00 Ravine. course N.W. ascend leave timber

37.80 Ridge. bears E. & W. descend.

40.00 Set a sandstone 16 x 11 x 8 in. 11 in. in the

Subdivision of T. 28. S. R. 2. M. C. Continued.

- for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high. W. of cor. Pits impracticable
 46.00 Lulch 200 ft. deep, coarse W. ascend.
 56.00 Ridge. bears E. of W. entire spruce & aspen, descend
 71.50 Leaves timber.
 80.00 Set a trachyte 20 x 8 x 8 ins. 10 ins. in the ground, for cor. to Secs 19. 20. 24 & 30. marked 2 notches on S. & 5 notches on E. edges; and raised a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high. W. of cor. Pits impracticable.
 and. broken
 Soil. Rocky. 4 $\frac{1}{2}$ in.
 Timber. Spruce & aspen.
 Mountainous land do. chs.

- East on a random line bet. Secs 20 & 24.
 40.00 Set temporary $\frac{1}{4}$ sec. cor.
 80.04 Intersect W. E. S. line 5 lbs S. of cor. to Secs 20. 21. 28 & 24.
 thence I run
 S 89° 5' - 8' W. on a true line bet. Secs 20 & 24.
 Continue scattering spruce & aspen. ascend
 divide bet. Bear & Gray Valleys. bears N. E. & S. W. thence along S. side of Corridor descending gradually
 40.02 Set a trachyte 17 x 14 x 10 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on R. face; and raised a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high. W. of cor. Pits impracticable.
 80.04 The cor. to Secs 19. 20. 24 & 30.
 Land. high mountain
 Soil. Rocky. 4 $\frac{1}{2}$ in.
 Timber. Scattering spruce & aspen.
 Mountainous land 80.04 chs.

- West - on a random line bet. Secs 19 & 30.
 40.00 Set temporary $\frac{1}{4}$ sec. cor.
 62.52 Intersect W. bdy. of Tp. at cor. to Secs 19. 24 & 25 & 30. as heretofore described
 thence I run
 East on a true line bet. Secs 19 & 30

Subdivision of T. 28, S. R. 2, M. continued.

Time	Event
22.52	Ascend along W. side of Canon.
23.00	Set a trachyte 16 x 10 x 7 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base. $\frac{1}{4}$ ft. high. N. of Cor. Pits impracticable.
26.00	Tibadore Canon. courses S. W.
26.80	Road. bears N. E. $\frac{1}{4}$ S. W.
27.00	Creek 3 lbs wide. courses S. W.
28.00	Ascend.
46.00	Ridge 200 ft. high. bears N. W. descend.
48.00	Enter aspens.
51.50	Gulch. courses N. W. ascend
52.30	Leave aspens.
62.52	The cor. to Secs 19. 20. 24 $\frac{1}{4}$ S. 50. Land. Broken. Soil. Rocky. 4 Raale. Limbs. Aspens. Mountainous land 62. 32 shds.

August 27th 1897.

10.05	N. W. Oct. Secs 19 $\frac{1}{4}$ 20.
	Descend 200 ft.
6.00	Enter aspens.
10.00	Tibadore Canon. courses S. W.
10.20	Creek 1 lb. wide. courses S. W.
16.00	Road. bears N. E. $\frac{1}{4}$ S. W. Leave timber, ascend.
40.00	Set a trachyte 15 x 10 x 10 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base. $\frac{1}{4}$ ft. high. N. of Cor. Pits impracticable.
51.00	Ridge 100 ft. above Creek. bears N. E. $\frac{1}{4}$ S. W.
52.00	Enter aspens. descend 100 ft.
62.10	Leave aspens.
54.00	Rainbow. courses S. W.
66.00	Ascend.
83.00	Set a trachyte 20 x 14 x 12 ins. 15 ins. in the ground. for cor. to Secs 17, 18, 19 $\frac{1}{4}$ 20. marked 3 notches on S. & 5 notches on Eddges; and raised a mound of stone 2 ft. base. $\frac{1}{4}$ ft. high. N. of Cor. Pits impracticable.
	Land broken.

Subdivision of T. 28. S. R. 2. W. Continued

- 6 miles
Soil. Rocky, 4th ratio.
Timber. Aspin & Spruce.
Mountainous land 80 chs.
Aug. 25, 1897, at this cor. at 9° 36' a.m. Compt'd set-off 58° 23' on the station;
0° 30' N. 1° 4' E. - a tree mark with
R. 89° 58' E. on a random line bet. Secs 17 & 20
10.00 Set boundary in sec. cor.
20.00 Intersect N. E. S. line 5 chs E. of cor. to Secs
16 & 17. 20° E. 21.
thence N. 20°
S. 89° 56' W. on a line line bet. Secs 17 & 20
Ascend 600 ft.
28.00 Ridge. bears N. 8° W. Divide bet. Devil's
Canyon Valley. Descend gradually
40.00 Set a trachyite 14 x 8 x 6 ins. 8 ins. in the
ground for 1/4 sec. cor. marked 1/4 on N. face;
and raised a mound of stone 2 ft. base. 1 ft.
high. N. of cor. Pit is impracticable.
51.16 Rock. bears N. 31° E.
50.00 Line cor. to Secs 17 & 18. 14° E. 20.
Land, rolling top of mountain.
Soil. Rocky, 4th ratio.
Timber. Scattered groves of aspen.
Mountainous land 80 chs.
Aug. 25, 1897, At this cor. 5 set-off 9° 36' from the declination -
12° 0' E. but observes the sun on the midline the resulting lat is 7° 1'
S. 20° 20' E. as it is impossible to ascend.
bet. Secs 18 & 19. on account of Ciffs & ledges
several hundred feet high. on the east side
of Dry Canon.
I R.M.
No. 08' W. bet. Secs 17 & 18.
Ascend about 100 ft.
7.00 Ridge. bears E. 8° W. Enter aspens & spruce
descend.
11.20 Ravine 150 ft. deep. comes S. W. down to
ascend.
27.00 Ridge. bears E. 8° W. Enter timber, des.
40.00 Set a trachyte 12 x 12 x 12 ins. 8 ins. in the
ground for 1/4 sec. cor. marked 1/4 on N.
face; from which
aspen 12 ins. in diam. bears. 97° 58' E
18 lbs dist. marked 1/4 S. P. T.

Subdivision of T. 28, S. P. 2, M. Concluded

Chains	
	An aspen 12 inos. in diam. bears N 46° 15' W 11 tho. dist. marked 745.13, T.
49.00	Road. bears N. W. 21 S. E. in hollow. compass error
56.40	Same road. bears S. E. 21 S. W.
71.00	Ridge. bears E. 21 N. descend.
79.50	Leave timber.
- 80.00	Set a trachyte 14 x 10 x 4 inos. 9 inos. in the ground for cor. to Secs 7. 8. 17 & 18. marked 4 notches on S. E. 5 notches on E. edges; and raised a mound of stone 2 ft. base. 1 ft. off. high. N. of Cor. Plot impracticable. An aspen 12 inos. in diam. bears S 10° 33' E. 72. tho. dist. marked T. 28. S. R. 2. M. 5. 17. 18. T.
	An aspen 10 inos. in diam. bears S 7° 35' W so tho. dist. marked T. 28. S. R. 2. M. 5. 18. S. T. No other bearing trees available.
	Land. broken.
	Soil. Rocky. 4 levels.
	Timber. Aspen & spruce.
	Mountainous land 80. chs.
40.00	N 89° 56' E. on a random line bet. Secs 8 & 17 set temporary 1/4 sec. cor.
50.10	Intersect N. E. S. line at cor. to Secs 8. 9. 16 & 17 thence I run
	S 89° 56' W. on a tree line bet. Secs 8 & 17. descend along G. slopes
50.05	Set a trachyte 18 x 14 x 6 inos. 12 inos. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of Cor. Plot impracticable
- 50.10	On cor. to Secs 7. 8. 17 & 18. Land. broken
	Soil. Rocky. 4 levels.
	Timber. Scattering growth of aspen & spruce.
	Mountainous land 80. 10 chs.
	With; I discontinue the work in this sp. at this point; as it is impossible to complete it by the ordinary methods of surveying, on account of cliffs and ledges, on the breaks on East side of dry canon.

Subdivision of S. 28. T. R. 2. N.W. Continued

which crosses S. W. through Secy 8 & 5, and
is from 1000 ft. to 1500 ft. deep.

Sept 28th 189

General Description.

The land embraced in our survey in this township is all mountainous, unfit for agriculture, but is good for grazing in the central & eastern portion, which is covered with a heavy growth of grass, with groves of aspen & spruce, but the western portion is bare of vegetation except in the canons. The hills are covered with scrub cedar & pines.

There are but few springs & streams of water, the chief of which are Libadore & Dry canons, the latter cannot be reached from this township except from the extreme north end, as the sides are precipitous sandstone cliffs.

There is no mineral found in the rocks in place are mostly brachyste & sandstone.

There are no settlers in this part of the township.

ough E. Lisonbee D.E. 3074 & Ward P.
Thompson D.E. 4076, claiming land in this township, should be 28 S. R. 2d N.W.

John J. Breckin
Henry M. Cartt
U. S. Deputy Surveyors

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Survey of
Subdivision of T. 2 S. R. 2 W.

Shows	
	From the cor. to Secs 1. 2. 3 & 4/50 on Nbdy of off. I run North on a running line bet. Secs 3 & 4/50. The 1/4 sec. cor. bears N 46 deg. dist. The cor. to Secs 25. 26. 35 & 36. bears N. 93 deg. dist: The true course of this line therefore is N 0 deg 46 min W. and the dist. 80.40 chs.
40.20	
80.40	
40.75	North on a running line bet. Secs 25 & 26. The 1/4 sec. cor. bears West - 93 chs. dist. The cor. to Secs 23. 24. 25 & 26. bears West - 190 chs. The true course of this line therefore is W 0 deg 20 min W. and the dist. 81.50 chs.
81.45	
41.60	North on a running line bet. Secs 23 & 24 The 1/4 sec. cor. bears West - 98 chs dist. The cor. to Secs 23 & 24. bears West - 198 chs. dist: The true course of this line therefore is W 1 deg 25 min W. and the dist. 83.20 chs.
83.18	
39.00	N 88 deg 44 min E. on a running line bet. Secs 13 & 12 The 1/4 sec. cor. bears S. 71 chs dist. The cor. to Secs 13. 14. 15 & 16 bears S 140 chs dist:
78.09	The true course of this line therefore is W 87 deg 56 min E. and the dist. 78.10 chs.

John J. Breckin
Kanner M. C. Early
H. J. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by
..... United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of

Owing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Arman.*

....., *Arman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted
..... United States Deputy Surveyor, in surveying all
those parts or portions of the
..... of the
..... meridian, of which are represented
the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Arman.*

....., *Arman.*

....., *Flagman.*

scribed and sworn to before me this }
day of , 189 }



*346-37
BLAINE*

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, *[Signature]*, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from the United States Surveyor General for *[Signature]*, bearing date of *[Signature]*, day of *[Signature]*, 18*[Signature]*, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for *[Signature]*, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

[Signature] meridian, in the *[Signature]* of *[Signature]*, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for *[Signature]*, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 6, 1812.

[Signature]
United States Deputy Surveyor

Subscribed by said *[Signature]*, and sworn to before me,
this *[Signature]* day of *[Signature]*, 18*[Signature]*

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APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

[Signature], Md., March 10, 18*[Signature]*
The foregoing field notes of the survey of *[Signature]*,
[Signature],
[Signature],
[Signature]

executed by *[Signature]*, *[Signature]*, dated *[Signature]*, having been
under his contract No. *[Signature]*, dated *[Signature]*, 18*[Signature]*, critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

[Signature]
Jacob F. Blaine
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in *[Signature]*, has been correctly copied from the original notes on file in this office.

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BOOK A-249

36.3.13.

FIELD NOTES

OF THE SURVEY OF THE

*Survey of
Subdivision of C. 28, R. 11, T. 9,*

*of the Gallatin Pass and Meridian,
State of Utah.*

AS SURVEYED BY

*John J. Breckford & Thomas McCarty, United States Deputy Surveyor,
Under his Contract No. 208, dated October 20th, 1896*

Survey commenced August 24th, 1897

Survey completed August 24th, 1897

Retirement Party - Sub- 2-00-02 /

NAMES AND DUTIES OF ASSISTANTS.

Clayton Morrison Chairman

C. E. Morrison Chairman

Thomas Bates Chairman of Moundman

For preliminary affidavits see book C

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Volume

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BOOK A-249

INDEX DIAGRAM.

Township 28, Range 12

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19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 189 }



Subdivision of T. 28. S. R. 1. W.

From the cor. to Secs 1. 6. 7 & 1/2. on N. bdy
of Lp.

I run

89° 24' E on a running line bet. Secs 6 & 7.

39.80 The 1/4 Sec. cor. bears North 70 deg dist.

79.80 The cor. to Secs 5. 6. 7 & 1/8. bears North 141
dist.

The true course of this line therefore is
W 89° 35' E. and the distance 79.81 chs.

North on a running line bet. Secs 5 & 6.

40.10 The 1/4 Sec. cor. bears West 65 deg dist.

80.20 The cor. to Secs 5. 6. 31 & 1/2 on N. bdy.
of Lp. bears West 131 deg dist.

The true course of this line therefore is
W 0° 56' W. and the dist. 80.21 chs.

August 24th 1897.

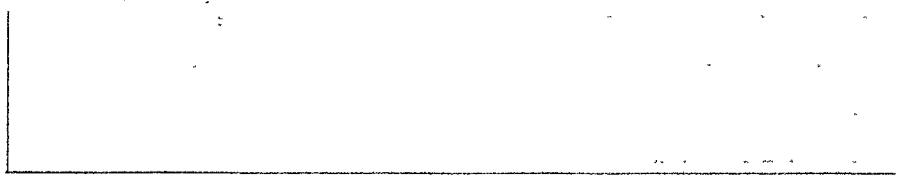
John J. Bucknor
Homer M. Carty
U. S. Deputy Surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

....., United States Deputy Surveyor, in surveying all those parts or portions of the

....., of the

..... meridian, of which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

scribed and sworn to before me this

}

day of, 189



352755
BLAH

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of _____ day of _____, 189_____, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of _____

_____ of the _____

_____ meridian, in the _____ of _____, which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189 }

000000
000000
SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

*Salisbury, Md. March 13, 189_____.
The foregoing field notes of the survey of the subdivision of Township 2
Section 1 West of the Saluda River & Grandine
Rd.*

The foregoing field notes of the survey of the subdivision of Township 2
Section 1 West of the Saluda River & Grandine
Rd.

executed by *John F. Bicknell & Norman McElroy*
under his contract No. *208*, dated *October 20*, 189_____, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Agst 1991

United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-249

H.J.B.

FIELD NOTES

OF THE SURVEY OF THE

① Exterior boundaries of S. 27 S. R. 2 N

of the Salt Lake Base Meridian,
State of Utah.

AS SURVEYED BY

John J. Breckinridge & Company, United States Deputy Surveyors,
under his Contract No. 208, dated October 2d, 1896

Survey commenced August 28, 1897

Survey completed August 31, 1897

6-161

N - Bator (high) ^{M. Ch. 66-} 6-00-00 ✓ / 11-47-05
N - " do 5-47-05 / 11-47-05

NAMES AND DUTIES OF ASSISTANTS.

Elex. Mission Chairman

C. S. Mission Chairman

Thomas Wadis Paxman & Groundman

Confidential officers see Book B

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(B61)

27 S. R2 W -

N. Bdry
high

N. Bdry -
high

M. Ch. Lbs -

M. Ch. Lbs -

1-00-001	1-00-001
1-00-001	1-00-001
1-00-001	1-00-001
1-00-001	1-00-001
1-00-001	1-00-001
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PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman
....., Chainman

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman
....., Moundman

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman
....., Axman

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman

Subscribed and sworn to before me this }
day of , 189 }



West boundary of C. Z. S. P. Z. Vt.

Survey commenced August 28th 1897^{ed}
executed with a Gurley Mountain transit
with solar attachment.

I examine the adjustments of the transit
and correct the level and collimation
errors, then to test the solar apparatus, by
comparing its indications, resulting from
solar observations, made during P.M. &
P.M. hours, with a true meridian.

By observations on Polaris, I proceed as follows
At the Cor. to C.R. 28^E 28 S. R. 2^E 2^N Vt.
established by me August 21st Lat. 38°
25' N. Long. 112° 07' W. I set-off 38° 25' N
on the lat. arc; 9° 25' W. on the decl. arc;
determine with the solar a true meridian,
at 4^h 55^m P.M. L.m.t. and mark a point
thereof, on a stone, set firmly in the ground
5.00 chs. N. of the cor.

At 9^h 07^m P.M. L.m.t. I observe Polaris
at eastern elongation, in accordance with
Manual of Instructions, and mark a
point in the line thus determined, on a
ring driven in the ground 5.00 chs. N.
of my station.

August 28th 1897^{ed}

August 29th at 6^h 30^m A.M. L.m.t. I lay
off the azimuth of Polaris 1° 35' to the west
and mark the true meridian thus de-
termined, by cutting a small groove in
the stone set-August 28th on which the
true meridian falls 0.2 mrs. east of the
mark determined by the solar.

At 8^h 08^m A.M. L.m.t. I set-off 38° 25' N
on the lat. arc; 9° 07' W. on the decl. arc; and
mark a point in the true meridian
determined with the solar, by a cross on
the stone already set 5.00 chs. N. of my
station; this mark falls 0.2 mrs. east
of the true meridian established by the
Polaris observation.

The solar apparatus P.M. & A.M.

West. Boundary of C. I. G. S. R. & W. Continued.

Chains	observations, defining positions for true meridians, respectively about $0^{\circ}11'$ West, & $0^{\circ}11'$ East of the true meridian established by the Polaris observation.
	The magnetic bearing of the true meridian at $8^{\circ}30' E.$ is $W. 40^{\circ} 25' W.$ This angle, thus determined, reduced by the table, page 100, gives the true mag. decl. $15^{\circ} 20' E.$
	I begin at the cor. to Secs 27, 28, 6, R. & 24 26 W. as previously described, and run North bel: Secs 31 & 36.
	Enter spruce & aspens. descend.
40.00	Let a sandstone $16\frac{1}{2}$ ft. 6 in. 11 in. in the ground for cor. to sec. marked 4 on N. faces from which An aspen 8 in. is found. bears $65^{\circ} 8' E.$ on the dist: marked 4 S. 31. B. T.
	An aspen 8 in. Indian bears $65^{\circ} 8' E.$ on the dist: marked 4 S. 31. B. T.
62.50	Head of ravine 100 ft. deep. come E. ascend Ridge. bears E. of N. descend.
78.50	Let a granite $18\frac{1}{2}$ ft. 6 in. 12 in. in the ground. for cor. to Secs 25, 30, 31 & 36. marked 1 notch on L. & 5 notches on R. edges; increase amount of stone 2 ft. brush ft. high. If cor. 1 it is impracticable
	An aspen 20 in. in diam. bears $91^{\circ} 45' - 50' E. 6' E.$ dist: marked 7 S. 31. B. T.
	An aspen 20 in. in diam. bears $52^{\circ} E.$ 17' dist: marked 7 S. 31. B. T.
	Land. rolling. top of mountain.
	Soil. Gravelly. 3 in. soil.
	Timber. aspens & spruce.
	Mountainous land 80 chs.
	North. bel: Secs 25 & 30.
3.56	Enter aspens brush. descend 150 ft; leave timber.
10.10	Common. come E. cross a brook. 2 in. wide. 2 in. deep. floors E. Leave brush. ascend.
27.00	Enter aspens.
33.00	Leave aspens.

West bound. of S. 27. S. R. 2. W. Continued.

- 40.00 Set a granite 16 x 10 x 10 mos. 11 mos. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. W. of Cor. Site impracticable.
 On ridge. bears W. & S.E. descend grade
 42.00 ^{Eggers Grosvenor} Follows course E. ascend
 45.00 Point of ridge. bears W. descend.
 52.00 - and aspens.
 58.00 Set a sandstone 16 x 10 x 8 mos. 11 mos. in the ground for Cor. to Secs 19, 24, 25 & 5. mark 2 notches on S. & 4 notches on N. edges; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. W. of Cor. Site impracticable.
 Land. rolling top of mountain.
 Soil. Rocky & rocky.
 Timber. Aspens.
 Mountainous land 80 chs.

North bkt. Secs 17 & 24.

Descend gradually and flat;

- 26.00 Ravine. course W. W. ascend
 32.00 Point of ridge. falls W. descend
 35.00 Same ravine course N. E.
 40.00 Same ravine. course N. W.
 Set a Quartzite 16 x 8 x 8 mos. 11 mos. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. W. of Cor. Site impracticable.
 Ascend.
 Enter aspen brush & dead timber.
 50.00 Point of ridge. bears N. descend.
 57.06 Old wood road. bears N. E. & S. W.
 60.00 Set a Quartzite 16 x 10 x 5 mos. 11 mos. in the ground for cor. to Secs 15, 18, 19 & 24. marked 3 notches on N. & S. edges; and raised a mound of stone, a ft. base, 1 $\frac{1}{2}$ ft. high. W. of Cor. Site impracticable.
 . broken.
 Soil. Rocky, 4 chs.
 . Dead spruce & aspens. dense brush
 on 30-50 chs.

West boundary of S. 27. S. R. 2. W. Continued

Shams.	Mountainous land 80. chs.
	Aug. 29 1897 set off 9°.05' N. on the decl. arc; and at 12 ^h Mr. Com. b. observed the sun and the meridian the resulting lat. is 38°.28'. At the cor. to Secs 13.18.19 & 24 hence I run North lat. Secs 13 & 18. Descend in dead timber
5.40	Fork of Manning Creek 2 lbs wide. in Canon course S. W. leaves dead timber, ascend 300 ft. Ridge. bears N. E. & S. W. descend.
25.60	Enter aspens.
34.90	Leave aspens.
36.60	Hollow. course S. W. ascend.
40.00	Set a sandstone 18x12x7 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base. 1 1/2 ft. high. W. of Cor. Pit impracticable. An aspen 6 ins. in diam. bears N. N. E. 25° E 79 lbs dist. marked 1/4 S. 18 B. T. No other bearing trees within limits
41.10	Enter aspen brush.
50.96	Spring. flows S. W.
80.00	Set a sandstone 16x10x7 ins. 11 ins. in the ground for Cor. to Secs 7.12.13 & 18. marked 4 notches on S. & 2 notches on S. edges; and raised a mound of stone 2 ft. base. 1 1/2 ft. high. W. of Cor. Pit impracticable. Sand. Broken. Soil. Rocky, 4 th slate. Timber. aspen Mountainous land 80 chs.
	North lat. Secs 7 & 12. Descend in aspen brush.
8.60	Enter spruce & aspen.
12.20	Ridge. bears E. & N. W. descend.
70.00	Set a granitic 16x14x7 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; from which A spruce 5 ins. in diam. bears N. E. 2° E. 7 lbs dist.

West Boundary of T. 27. S. R. 2. W. Continued

Diam.	marked $\frac{1}{4}$ S. T. B. T. A spruce 8' min. in diam. bears $902^{\circ} 30' E 12' N$ dist. marked $\frac{1}{4}$ S. T. B. T.
47.60	Leave timber enter bottom 800 ft. below ridge
49.40	Fork of Manning Creek 3 lbs wide. flows S. W.
57.60	Leave bottom. enter spruce & aspen ascend
80.00	Set a sandstone $14 \times 12 \times 8$ min. 9 min. in the ground for Cor. to Secs 1. 6. 7 & 12. marked 5 notches on S. E. 1 notch on N. edges; and raised a mound of stone 2 ft. basi. $1\frac{1}{2}$ ft. high. W. of Cor. Site impracticable.
	On aspen 6 min. in diam. bears $968^{\circ} 26' E 58' N$ dist. marked T. 27. S. R. 2. W. S 6. B. T.
	A spruce 6 min. in diam. bears $817^{\circ} 35' E 35' S$ the dist. marked T. 27. S. R. 2. W. S 7. B. T.

Land. broken,
Soil. rocky. 4th rate.
Timber. Aspen & Spruce.
Mountainous land 80 chs.

	North bet. Secs 1 & 6.
	Ascend in aspen & spruce
5.00	Leave timber
11.00	Enter spruce & aspens.
20.00	Ridge. bears N. W. E. S. E. descend.
40.00	Set a granite $14 \times 12 \times 8$ min. 9 min. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W face; from which -
	On aspen 8 min. in diam. bears $971^{\circ} 05' E 29' N$ dist. marked $\frac{1}{4}$ S. 6. B. T.
	On aspen 10 min. in diam. bears $884^{\circ} 30' E. 62' N$ dist. marked $\frac{1}{4}$ S. 6. B. T.
43.50	Leave timber.
51.00	Enter bottom.
61.00	Manning Creek 5 lbs wide. flows S. W.
80.00	Set temporary Cor. to Tps. 26 & 27 S. R. 2 E. $12\frac{1}{2}$ N. I. which on August 31 st I. make permanent.
	Set a sandstone $18 \times 16 \times 12$ min. 12 min. in

Great mound of C. Z. J. S. R. 2. W. Continued.

Chains

ground for Cor. to off 26 & 27. S. R. S. 2 &
2 h. W. marked

26. S. on N. E.

2. W. on S. E.

27. S. on S. W. E.

2 h. W. on N. W. faces; with 6 switches on N. S.
E. & W. edges; and raised a mound of stone
2 ft. base, 1 h. ft. high. R. of cor. Pile
impracticable.

Land broken.

Soil. Rocky, & gravelly & slate.

Timber. Spruce & Aspen.

MOUNTAINOUS LAND 80.00 chs

August 29th 1897

North. down

Aug. 27. S. R. 2. W.

Aug. 30. At $\frac{1}{2} \text{ mi.}$ = A. M. b.m. b. I set off 38°
 $30'$ on the lat. arc; $8^{\circ} 48' N.$ on the decl. arc;
and determine a true meridian at the
Cor. to Lps. $26^{\circ} E$ $27^{\circ} S. R. 2^{\circ} E$ $2^{\circ} W$

Hence I run

East on a random line along the N. edge.
Aug. 27. S. R. 2. W. setting temporary N. line.
Sec. cor. at intervals of 40'. $\frac{1}{2} \text{ mi.}$ chains,
and at .5 miles $\frac{1}{4} \text{ mi.}$ chs. $\frac{1}{2} \text{ mi.}$ like, intersect
1.00 chs. North of the cor. to Lps. $26^{\circ} E$ $27^{\circ} S. R. 1^{\circ} E$ $2^{\circ} W.$ as heretofore described.

This falling amounts to a correction of $0.08'$
 $18 \text{ lbs. S. per mile.}$ counting from the N. E.
Cor. of of the Sp. Therefore I run
N $89^{\circ} 52' W.$ bet. Secs 1 $\frac{1}{2}$ & 36.

Ascend gradually

- 29.00 Ridge. bears N. W. $\frac{1}{2} E. S. E.$ Descend
29.80 Enter aspens.
31.00 Canyon. course S. E.
31.10 ^{foot of} Greenwich Creek. 4 lbs. wide. 2 ins. deep. flows
S. E.
32.00 Leave aspens. ascend
40.00 Set a granite $14 \times 9 \times 7$ ins. 9 ins. in the
ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face,
and raise a mound of stone. 2 ft. base
 $1\frac{1}{2}$ ft. high. N. of Cor. Pilis impracticable
48.00 Ridge. 600 ft. above Creek. bears N. W.
S. E. Ascend along N. side of Canyon
70.00 Point of ridge. falls S. descend 75 ft. to
80.00 Set a trachyte $16 \times 12 \times 7$ ins. 11 ins. in
ground for cor. of secs 1. 2. 3. 3 $\frac{1}{2}$ & 36. mark
1 notch on E. & 5 notches on N. edges;
raise a mound of stone. 2 ft. base. $1\frac{1}{2}$ ft.
high. N. of Cor. Pilis impracticable,
and broken.

Soil. Rocky. 4th rate.

Timber. A few

Mountainous land 80 chs

Forth form of C. 27. J. P. L. W. continued

- travers Aug. 31. At 7^h 30^m A. M. b. m. b. I set off
 38° 30' N. of the lat. arc; 8° 20' W. of the decl.
 arc; and determine a true meridian with
 the solar alt. at the cor. to Secs 1. 2. 33 & 36,
 thence I run
 At 8° 32' W. bet. sec 2 & 3.
 Descend 200 ft.
 10.00 Canon course S.E. enter scattering aspens.
 10.50 Fork of Greenwich Creek & the mts. flows
 S.E.
 11.50Leave aspens ascend.
 40.00 Set a sandstone 18 x 12 x 10 ins. 12 ins. in
 the ground for Cor. to Sec. 2. marked $\frac{1}{4}$ on
 E. face; from which
 An aspen 10 ins. in diam. bears 84° 20' W
 145' ths dist. marked $\frac{1}{4}$ S. B.T.
 An aspen 6 ins. in diam. bears 84° W 116' ths
 dist. marked $\frac{1}{4}$ S. B.T.
 41.00 Enter aspens.
 53.00 Point of ridge. falls S.E. leave aspens,
 enter mahogany.
 53.50 Leave mahogany, enter aspen brush.
 Hollow course N.E. ascend gradually,
 - 80.00 Set a sandstone 16 x 14 x 6 ins. 11 ins. in
 the ground for Cor. to Secs 2. 3. 34 & 35;
 marked 2 notches on E. & 1/4 notches on
 W. edges; and raised a mound of stone
 2 ft. base. 1/2 ft. high. W. of Cor. Pile
 unbreakable.
 and broken
 Soil. Rocky 4th rate.
 Timber. aspens & mahogany, dense brush
 as 24.00 chs.
 Mountainous land 80 chs

- At 8° 52' W. bet. Secs 3 & 34
 Ascend gradually
 5.00 Point of ridge. bears S. descend 200 ft.
 18.00 Canon. course S.E. Greenwich Creek 4 ths
 wide. 4 ins. deep. flows S.E. ascend
 37.00 Ridge. bears N.W. & S.E. descending aspens.

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North Bound J. 27. J. P. L. W. Continued.

- ans.
 40.00 Set-a sandstone 18x12x10 in. 12 in. in
 the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on
 N. face; from which
 An aspen 6 in. in diam. bears $W. 20^{\circ} - 20' W$
 5. lks dist: marked $\frac{1}{4}$ S. B. T.
 An aspen 12 in. in diam. bears $S. 2^{\circ} - 30' W$
 18 lks dist: marked $\frac{1}{4}$ S. B. T.
 40.50 Leave aspens.
 48.00 Head of ravine. course S. E. ascend 50 ft.
 54.50 Point of ridge. bears $N. W. \frac{1}{2} S. E.$ descend
 57. Ravine. course S. E. enter aspens. ascend
 68.00 Leave aspens.
 72.00 Ridge. bears $W. \frac{1}{2} S.$ descend 80 ft.
 78.00 Gulch. course S. W. ascend.
 80.00 Set-a flint stone 18x16x12 in. 12 in.
 in the ground for cor. to Secs 3. 4. 5 & $\frac{1}{4}$ of 54
 marked 3 matches on E. & W. edges; and
 raised a mound of stone 2 ft. base,
 1 $\frac{1}{2}$ ft. high; W. of Cor. Pit impracticable
 Land. broken.
 Soil. Rocky. $\frac{1}{4}$ th. calc.
 Timber, aspens.
 Mountainous land 80 chs.

Aug 31 - I set-off $8^{\circ} 21' N.$ on declin.
 arc; and at 12 $\frac{1}{2}$ M. l. m. L. observe the
 sun on the meridian. the resulting lat.
 is $58^{\circ} 50' N$ at the cor. to Secs 3. 4. 5 & $\frac{1}{4}$ of 54.
 whence I run
 $N 89^{\circ} 52' W.$ bet. Secs 4 & 53.

Ascend

- 1.00 Point of ridge. bears S. descend.
 3.00 Enter aspens
 6.00 Gulch 50 ft. deep. course S. ascend
 10.00 Leave aspens.
 12.00 Point of ridge. falls S. descend
 14.50 Enter aspens.
 31.00 Canon 140 ft. deep. course S. E.
 31.80 Creek 5 lks wide. flows S. E. On Creek
 33.00 Enter spruce. ascend.
 40.00 Set-a granite 18x12x6 in. 12 in. in the

DU 1842 - 2

North boundary of C. 27. S. R. 2. N. Continued

0.00	ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face, from which
	A spruce 20 in. in diam. bears $S 20^{\circ} E 22^{\circ}$ lks dist: marked $\frac{1}{4}$ S. B.T.
	An aspen 8 in. in diam. bears $S 68^{\circ} E 18^{\circ}$ lks dist: marked $\frac{1}{4}$ S. B.T.
0.7.00	Ridge. bears W. N. $E 45^{\circ} S. E.$ leave aspen $E 45^{\circ} S. E.$, descend, 100 ft.
6.6.00	Gulch. course S. E. ascend
7.4.50	Ridge. bears $N. E. S. E.$ descend
7.7.00	Hollow. course S. ascend.
- 8.0.00	Set-a granite 1.6 x 1.2 x 8 inns. 11 inns. in the ground for cor. to Secs 4. 5. 6. 2 & 3. marked 4 notches on E. & 2 notches on W. edges; and raised a mound of stone, 2 ft base. 1 ft. high. W. of Cor. from which
	An aspen 6 in. in diam. bears $W 45^{\circ} S. 30^{\circ} E$ 10 lks dist: marked T. 26. S. R. 2. N. S 30. B.T.
	An aspen 6 in. in diam. bears $S 70^{\circ} E 17^{\circ}$ lks dist: marked T. 27. S. R. 2. N. S. 4. B.T.
	An aspen 5 in. in diam. bears $S 87^{\circ} W 16^{\circ}$ lks dist: marked T. 27. S. R. 2. N. S. 5. 5. B.T.
	An aspen 5 in. in diam. bears $N 58^{\circ} S. 30^{\circ} W$ 7 lks dist: marked T. 26. S. R. 2. N. S. 32. B.T.
	Land. broken.
	Soil. Rocky, $\frac{1}{4}$ th rock.
	Timber. Aspen & Spruce
	Mountainous land 80. chs.
<hr/>	
	$487^{\circ} 02' W.$ lat. Secs 5. $E 32.$
	Order aspens. ascend.
5.50	Top of ascent. descend.
8.00	Gulch 5-0 ft. deep. course S. ascend
16.00	Point of ridge. bears S. descend
30.00	Canyon. course S. E. North Fork of Box Creek 4 lks wide. flows S. E.
38.50	Entire spruce. ascend.
40.00	Set-a trachyte 18 x 16 x 10 inns. 12 inns. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base.

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North Boundary of T. 37. S. R. 2. M. Continued

	16 ft. high. W. of Cor. Pits impracticable. No bearing trees within limits.
71.00	Ridge bears N. E. Divides sub. timber 2 ft. Grass valleys. descented.
80.00	Set a tract 14 x 12 x 6 min. 9 min. in the ground for cor. to Secs 5, 6, 31 & 32, marked 5 notches on E. & 1 notch on W. edges; and raised a mound of stones, 2 ft. basal, 1 ft. ft. high. W. of Cor. Pits impracticable. A pine 14 min. in diam. bears S 10° 30' W 14° 47' Obs. dist: marked T. 37. S. R. 2. M. S. 6. B. T. No other bearing trees within limits. Land. broken.
	Soil. Rocky & gravelly.
	Timber. Aspen & Spruce.
	Mountainous land 80 cho.

	Wsg 6.52 W. Bet: sec 6 & 51, Descented in surface & spruce.
1.05	Stream 2 ft. wide. flows N.
25.40	Leave timber.
36.20	Road. bears N. E. & S. W.
39.00	Enter bottom.
39.50	Streaming creek 3 ft. wide flows S. W.
40.00	Set a sandstone 10 x 16 x 12 min. 12 min. in the ground for 1/4 Sec. Cor. marked 14 on R. face, and raised a mound of stones 2 ft. high. W. of Cor. Pits impracticable.
46.50	Rocky, bears S. W. & N. E.
47.00	2 ft. high. W. of cor. to S. 10° 30' E 27. S. 16° 2 ft. high. W. with its topamento as described in Field Notes of Great boundary. Land. broken & flat.
	Soil. Rocky & gravelly 3 ft. to 6 ft.
	Timber. Spruce & Aspen.
	Mountainous land 47.00 - cho

August 21, 1897

To S. for General Description see Subdivision
of this township.

Boundaries of T. 27. S. R. 2. W.

Latitudes, departures & Closing errors

Line designated as	Course	Distance	Latitudes		Departures	
			North	South	East	West
North boundary	S 89° 52' E	447.05			104	447.05
East boundary	South	478.40		478.40		
South boundary	West	449.53				449.55
West boundary	North	480.00	480.00			
Convergency			480.00 479.44	479.44 447.62		449.55 447.62
			Error in lat. .56	Error in dep. 1.73		

John J. Breckin
S. corner McCarty
W. J. Deputy Surveyors.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____
_____, United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of _____
showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____
_____, United States Deputy Surveyor, in surveying all
those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor

General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, _____, solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 18____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 18____ }

○○○○○
O SEAL O
○○○○○

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 13, 1899
The foregoing field notes of the survey of the West & North Passes of the Wasatch Range, West of the Salt Lake, between the 2nd & 3rd Meridians, Utah.

executed by _____, *Jacob W. Blaine*, under his contract No. 208, dated October 20th, 1896, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob W. Blaine
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____ has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-249

X6.3.13.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision of U.S.R.R.W.

of the Salt Lake Base and Meridian,
State of Utah.

AS SURVEYED BY

John J. Breckin & Homer McCarty, United States Deputy Surveyors
under his Contract No. 208, dated October 20th, 1897

Survey commenced August 5th, 1897

Survey completed September 10th, 1897

Scale 1:56,679.2

NAMES AND DUTIES OF ASSISTANTS.

Alex. Morrison Chairman

C. H. Morrison Chairman

Joseph Johnson Chairman

Chas. Johnson Chairman

Thomas Walis Axeman & Woundman

Joseph Pollio Axeman & Woundman

For preliminary affidavits see Book C

6-151

Volume

#

R0249

BOOK A-249

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain corners and never ground, and plumb the tally pins, either by sticking or dropping the same; we will report the true distances to all notable objects, and the true lengths of all lines that we assist, according to the best of our skill and ability, and in accordance with instructions given us, in the surveying of corners.

Chains

Subscribed and sworn to before me this }
day of , 189 }


We, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the surveying of corners.

Mounds

Subscribed and sworn to before me this }
day of , 189 }


We, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the surveying of corners.

Axes

Subscribed and sworn to before me this }
day of , 189 }


I, do solemnly swear that I will well and truly perform the duties of flagmen according to instructions given me, to the best of my skill and ability, in surveying corners.

Flags

Subscribed and sworn to before me this }
day of , 189 }


U. Division of S. L. & J. A. D. W.

Survey commenced August 30th 1874 &
executed with a Survey Clinometer transit
of Pinley Mountain transit, each with
solar attachment.

I examine the adjustments of the transit
and correct the level and collimation
errors; then to test the solar apparatus
by comparing its indications, resulting
from solar observations made during
D. M. & P. M. hours, with a true meridian
determined by observations on Polaris, I
proceed as follows;

August 30th At the cor. to Sec. 35th 36.
on S. side. of Cr. established by me
August 21st Lat. $38^{\circ} 25' N.$ Long 112°
 $02' E.$ I set-off $38^{\circ} 25'$ on the lat. arc;
 $8^{\circ} 40' E.$ on the decl. arc; and at $4^{\circ} 50' N.$
P. M. L. m. t. determine with the solar
true meridian, and mark a point thereof
on a stone set firmly in the ground
5.00 chs. N. of the cor.

At 8th 48^m P. M. L. m. t. I observe Polaris
at its zenith along line, in accordance
with the time of observations, and mark
a point on the line thus determined on
a flag staves in the ground 5.00 chs.
N. of my station.

August 30th 1874

August 31st At 7th 2^m A. M. L. m. t. I run
off the azimuth of Polaris $1^{\circ} 35'$ to the N.,
and on into the true meridian thus determined
by cutting a small gash in the stone set
August 30th on which the true meridian
falls 0.1 in. west of the mark determined
by the solar.

At 7th 50^m A. M. L. m. t. I set-off $38^{\circ} 25'$
on the lat. arc; $8^{\circ} 26' N.$ on the decl. arc;
and mark a point on the true meridian
determined with the solar. By a cross on the
stone already set 5.00 chs. N. of my station
this marks falls 0.1 in. west of the true

Subdivision of C. L. & P. R. R. Continued

Chains	Meridian established by the Polar's ob- servation.
	The solar apparatus by P. Va. & A. Va. ob- servation, defines positions for two meridians, respectively about $0^{\circ}5'$ east of $0^{\circ}21'$ west of the true meridian established by the Polar's observation.
	The magnetic bearing of the true meridian at 8 th a. m. is N. $15^{\circ}25' 37''$ the angle thus determined, reduced by the table, Page 100, gives the mean May. decl. $15^{\circ}20' 8''$.
	I begin at - the Cor. to Sec's 35 & 36 as heretofore described and run No. 0.1' N. betw. sec's 35 & 36.
	Descend 5 afft. to
2.6.0	Ravine. course E. ascend
14.00	Ridge. 300 ft. high. bears E. & W. descend
40.00	Set a trachyte 15x8x6 ins. 10 ins. in the ground for 14. sec. cor. marked 14 ins. off. face, and raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high. N. of cor. Pit impracticable
43.00	Bent. aspens.
44.00	Canon. course S. E.
44.0.0	Lean aspens. ascend 25-0 ft.
56.00	Ridge. bears E. & W. descend
80.00	Set a trachyte 18x8x8 ins. 12 ins. in the ground for cor. to Sec's 25, 26, 35 & 36. marked 1 mts. on E. & E. edges; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. N. of cor. Pit impracticable.
	Land. broken
	Soil. Gravelly & rocky. 3-4 lbs.
	Timber. Alpens.
	Mountainous land 80. chs.
	Each - on a random line betw. Sec's 25 & 36
40.00	Set temporary 14. sec. Cor.
79.96	Interval. E. edge of sp. at cor. to Sec's 25 30 & 31. 3/36.
	There I run
	West - on a true line betw. Sec's 26 & 36.

Subdivision of West of Pine Mt. Continued.

Time	Outer cedar & pines. descend 200 ft. to
12.50	Ravine. course S.E. ascend
17.50	Point of ridge. 100 ft. high. bears N.W. by E. descend.
20.50	Gulch. course S.E. ascend
28.00	Ridge. 100 ft. high. bears N.W. by E. descend
39.98	Set-a sandstone 18x12x8 in. 12 in. in the ground for 14 Sec. Co. marked 74 on N. face; from which
	A cedar 15 in. in diam. bears N. 45° E. 98 ft. dist. marked 74.5. R. T.
	A cedar 6 in. in diam. bears N. 82° E. 50 ft. dist. marked 74.5. R. T.
59.00	Ravine. course S.E. ascend 500 ft. to
70.00	Ridge. bears N.E. by E. leaves timber. descend
77.00	Gulch. course N. ascend 60 ft. to
79.96	Thru cor. to Sec's 26, 26, 35 & 36. Land broken. Soil rocky, & stony. Timber. Aspens, Spruce. Mountains land 74.96 ac.
80.01	W. of Sec. 25 & 26. Ascend 100 ft. to
9.90	Gulch. course N. W. enter & cutting cedar & pines. ascend.
30.00	Point of rocky ridge. Bears N. descend.
34.00	Leaves timber.
40.00	Set-a sandstone 18x10x8 in. 12 in. in the ground for 14 Sec. Co. marked 74 on N. face, and raised a mound of stone 2 ft. base, 14 ft. high. N. of cor. Pts impracticable.
59.40	Outer bottom of Canon. course N. East-south
60.00	South Fork of Box Creek 50 ft. wide. flows N.E.
61.60	Leaves aspens. enter scattering cedar & pines. ascend
80.00	Set-a sandstone 18x14x10 in. 12 in. in the ground for cor. to Sec's 23, 24, 25 & 26. marked 2 patches on S. E. patch on E. edge, and raised a mound of stone 2 ft. base, 14 ft. high.

Subdivision of 2.27 Sec. N. Portion

0 miles	W. of Cor. Pts. impracticable. Land. broken. Soil. Rocky & shale. Linen. Cedar. Pine & Aspens. Mountainous land 89.92 chs.
	East on a random line bel. Secs 24 & 25.
49.00	Set temporary 4 sec. cor.
79.92	Entered E. half of off. & like h. of cor. to sec. 19. 24. 25 & 30. Since I run N 89° 5' W. on a true line bel. dec 24 & 25.
	Ascend 75 ft. to
6.00	Ridge. bears N. E. S. enter scattering cedar & pine.
8.75	Gulch 50 ft. deep. course N. ascend.
17.00	Ridge. bears N. E. S. descend.
23.00	Gulch. course N. ascend.
26.00	Ridge. bears N. E. S. descend
39.96	Set a iron stone 24x10x8 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pts. impracticable.
45.00	Enter bottom of canon. course N. E. leave cedar & pine. enter aspens.
46.70	South Fork of Box Creek. 5. the mds. flow N. E.
48.00	Leave bottom and aspens. enter scattering cedar & pine. Ascend 100 ft. to
79.92	Line cor. to Secs 23. 24. 25 & 26. Land. broken. Soil. Rocky & shale. Linen. Cedar. Pine & Aspens. Mountainous land 89.92 chs.
	No. 01 N. Bel. Secs 23 & 24.
25.00	Enter scattering cedar & pine. Ascend 200 ft. to
37.60	Ridge. bears E. S. W. descend 600 ft. to mouth of canon. course N. E. Creek & the mds. flows N. E. ascend.
40.00	Set a sandstone 18x10x8 ins. 12 ins. in the

Subdivisions of C. P. & L. R. R. W. Continued

Chains	
	ground for 1/4 sec. cor. marked 1/4 on W. face; from which
	A fine limestone 3.0 min. in diam. 3 ft. high. bears S 12° 30' W. to 1/4 sec. cor. marked 1/4 5. 13. T.
	A fine 4.0 min. in diam. bears S 71° W. 50 lbs dist. marked 1/4 5. 13. T.
41.00	Point of ridge. 30 ft. high. bears E. descend.
42.50	Middle Fork of Box Creek 4 lbs wide. flows S. E.
43.50	Corsair road. bears N. W. & S. E.
44.00	Second steep rocky hillside.
44.00	Point of ridge. 800 ft. above Creek. bears E. & W. descend.
48.00	Set-a sandstone 18x12x8 min. 12 min. in the ground for Cor. to Secs 13. 14. 23 & 24. marked 3 matches on S. & 1 match on E. edges; and raised a mound of stone 2 ft. base. 1/4 ft. high. W. of Cor. Pts impracticable. Land broken.
	Soil. Sterile. 4 ft. soil.
	Timber. Cedars & Pines.
	Mountainous land 80 chs.
	S 89° 57' E. on a random line bet. Secs 13 & 24.
40.00	Set-temporary 1/4 sec. cor.
74.90	Contract E. bdy. of C. P. at cor. to Secs 13. 18. 19 & 24.
	Winer I run
	W 89° 57' W. on a true line bet. Secs 13 & 24.
	Entire - scattering Cedars & Pines. descend
11.50	Ravine. comes S. W. descend S. slope.
27.00	Lif. of bluffs 40 ft. high. descend
39.95	Set-a trachyte 13x8x3 min. 10 min. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base. 1/4 ft. high. W. of Cor. Pts impracticable.
48.00	North Fork of Box Creek 12 lbs wide. courses S. E. ascend 600 ft. to
76.00	Top of ridge. bears N. E. & S. descend to the cor. to Secs 13. 14. 23 & 24.
79.90	

S. Division of U. S. G. S. W. V. Continued

	Land. Broken
	Soil. Rocky. 4 th ratio.
	Timber. Scattering Cedars & Pines. Mountainous land 79.90 ch.
	August 31 " 1897.
35.00	No. 01 W. set. sec 13 3/4.
40.00	Enter - scattering Cedars & Pines. ascend along N. ridge
45.00	Ridge. bears N. W. 3/4 E. descend
50.00	set - a trachytic 16x10x6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. it's impracticable.
55.00	Tulch. 150 ft. below ridge. course S. E. ascend
60.00	Ridge. bears N. W. 3/4 S. E. descend.
65.00	Enter aspens.Leave Cedars & Pines.
70.00	Set - a granite 20x12x4 ins. 15 ins. in the ground for Cor. to Secs 11, 12, 13 3/4 14. marked 4 molches on S. E. 1 molche on C. edges from which an aspen 6 ins. in diam. bears N 43° E 24 lks. dist. marked T. 27. S. R. 2. W. 5. 12. 13. T.
75.00	An aspen 9 ins. in diam. bears S 55° 30' E 18 lks. dist. marked T. 27. S. R. 2. W. 5. 13. B. T.
80.00	An aspen 6 ins. in diam. bears S 50° 30' W 28 lks. dist. marked T. 27. S. R. 2. W. 5. 14. B. T.
85.00	An aspen 5 ins. in diam. bears N 53° 45' W 25 lks. dist. marked T. 27. S. R. 2. W. 5. 11. B. T.
	Land. Broken.
	Soil. Rocky. 4 th ratio.
	Timber. Cedar. Pine & Aspens. Mountainous land 80 ch. Sept. 1. 1897. At this cor. at 4 th A.M. on b. I set off 38° 28' on the lat. and 8° 03' N on the decl. arc; and determine a true meridian with the solar.
40.00	+ 89° 07' E. on a random line bet. Secs 12 & 15.
45.00	Set - line for angle sec. cor.
50.00	Intersect 60. ldy. of 40. 5 lks S. of cor. to Secs 7. 12. 13 3/4 18.
	Hence I run
	189° 08' W. on a true line bet. Secs 12 & 15.
	Second 30 ft. to
55.00	line. Course S. ascend, Enter scattering Cedars & P.

Subdivision of C. L. F. S. Mts. Pt. Continued.

39.95	Set-a trachyte 15x8x11 in. 10 in. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base, 1 ft. high. W. of Cor. Pits impracticable.
42.50	Ridge. bears N. W. $\frac{1}{4}$ S. E. ascend 500 ft.
77.00	Enter aspens.Leave cedars & pines.
78.00	North Fork of Box Creek 10 in the middle course S. E. ascend 50 ft. to
79.90	The Cor. to Secs 11, 12, 13 & 14. Land broken.
	Soil. Rocky. 4 th rate.
	Timber. Cedars pines & aspens.
	Mountainous Land 79.90 chs.

No. 01 W. Sec. Secs 11 & 12.

Ascend in aspens.

0.50	Leave aspens.
5.00	North Fork of Box Creek. 9 in the middle glances S. E. ascend in aspens.
28.00	Leave creek, from N. W. ascend
40.00	Set-a trachyte 12x12x5 in. 8 in. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face, and raised a mound of stone 2 ft. base, 1 ft. high. W. of Cor. Pits impracticable.
57.00	Enter aspens.
61.00	Ridge 300 ft. above creek. bears N. W. $\frac{1}{4}$ S. E. Leave aspens. ascend S. W. slope
80.00	Set-a trachyte 20x14x12 in. 10 in. in the ground for Cor. to Secs 1, 2, 11 & 12. marked 5 matches on S. E., 1 match on S. edge, and raised a mound of stone 2 ft. base, 1 ft. high. W. of Cor. Pits impracticable. Land broken.
	Soil. Rocky. 4 th rate.
	Timber. Aspens.
	Mountainous land 80 chs.
	September 1 st . At this corner I set-off 8' 00" N. on the decl. arc; and at 12 ^h M. G.M.T. observe the sun on the meridian the resulting lat. is 38° 29'

Subdivisions of Laramie River, Cont'd.

Chains	S. 88° 58' E. on a random line bet. Secs. 8 & 12.
10.00	Set temporary in Sec. Cor.
79.94	Entered N. edge of Sp. 5 like S. of Cor. to Secs. 11 & 12 8 1/2 miles I run.
	Forest - on a line line bet. Secs. 11 & 12.
	Ascend. about 35 ft.
11.00	Ridge. bears N. W. by S. ascend 500 ft. to
18.00	Ridge. bears N. W. by S. E. descend 500 ft. to
34.75	Gulch. course N. W. ascend
39.97	Set - a trachyte 16 x 12 x 8 in. 11 in. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. high. 1/2 ft. high. N. of Cor. Pile impracticable.
50.00	Ridge. bears N. W. by S. E. descend.
73.50	Ridge. bears N. W. by S. E.
79.94	The Cor. to Secs. 11 & 12 8 1/2 miles I run. Land. broken Soil. Rocky. 4 miles. No timber. Mountainous land 79.94 chs.

	N. 0° 01' W. on a random line bet. Secs. 1 & 2.
40.00	Set temporary 1/4 Sec. Cor.
78.40	Entered N. edge of Sp. at cor. to Secs. 1 2. 35 & 36.
	Then I run
	S. 0° 01' E. on a line line bet. Secs. 1 & 2.
	Descend.
11.00	Enter aspens.
13.75	Greenwich Canyon. 400 ft. below Sec. Cor. Creek 10 like miles. flows S. E. ascend 300 ft.
23.00	Point of ridge. falls E. descend. leave aspens
38.40	Set - a trachyte 24 x 12 x 8 in. 10 in. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. high. 1/2 ft. high. N. of Cor. Pile impracticable.
42.00	Enter aspens.
44.00	Ravine. course N. E. ascend.
60.00	Leave aspens.
61.00	Top of mountain. bears E. E. N. descend

Subdivisions of C. I. S. & P. Co., N. Continued.

72.00 Road. bears E 3/4 N.

78.40 Line Cor. to Secs 1, 2, 11 & 12.
Land. broken.

Soil. Rocky, 4th rate.
Timber. Abfens.

Mountainous land 78.40 chs

September 1 " 1894

September 2". At 7^h 50^m A. M. L. m. t.
I set-off 38° 20' on the lat. arc; 7.45 N.
on the decl. arc; determining a line coincident
with the solar. at the cor. to Secs 34 &
35. on S. bdy. of the township hitherto described
thence I ran

80.00 W. bet. Secs 34 & 35.

Enter aspens. ascend gradually

17.50 Leave aspens.

40.00 Set a tracky to 15x12x5 ins. 10 min. in the
ground for 1/4 sec. Cor. marked 1/4 on N.
face; raised a mound of stone
2 ft. base. 1 h ft. high. W. of Cor.
Site impracticable.

43.00 Cross ridge. bearing N. W. 1/4 S. E. descend
gradually.

80.00 Set a tracky to 20x10x7. ins. 15 - ins. in
the ground. for cor. to Secs 26. 27. 34 & 35
marked 1/4 stch on E. & 2 notches on E.
edges; and raised a mound of stone
2 ft. base. 1 h ft. high. W. of Cor.
Site impracticable.

Land. rolling. top. of mountain.

Soil. Rocky, 4th rate.

Timber. Abfens.

Mountainous land 80 chs.

East on a random line bet. Secs 26 & 35-

40.00 Set temporary 1/4 sec. Cor.

80.00 Enter 1/4 S. line & chs S. of cor. to
Secs 25. 26. 35 & 36.

thence I ran

89° 57' W. on a line bet. Secs 26 & 35

Ascend 50 ft. in scattering Mahogany & Cedars.

Subdivision of S. 27 S. R. 2. W. Continued

0.00	Ridge. bears N. E. S. descend 200 ft. to
2.00	Gulch. course N. ascend 400 ft. to
25.00	Ridge. bears N. E. S. descend.
34.00	Gulch 200 ft. deep. course N. ascend
34.50	Ridge. bears N. E. S. descend
40.00	Let a sandstone 18x12x6 in. 12 min. in the ground for 1/4 sec. Cor. marked 1/4 cor. N. face, and raised a mound of stone. 2 ft. base. 1 ft. high. N. of Cor. Pits impracticable.
44.50	Gulch. 200 ft. deep. course N. ascend.
51.00	Ridge. bears N. E. S. descend.
56.00	Enter aspens.
57.40	Canyon. 300 ft. deep. course N.
60.00	Leave aspens. ascend.
71.00	Point of ridge. bears N. descend.
72.60	Enter aspens.
74.00	Gulch. course N. ascend
76.20	Leave timber.
- 80.08	True cor. to Secs 26-27. 5.4 1/3 min. Land. broken. Soil. Rocky. 4 in. calcs. Timber. Mahogany. Cedar & Aspen, scattering. Mountainous land 81.08 chs.

No. 01 Mr. Det. Secs 26 & 27.

5.50	descend gradually on ridge sloping N. Reach of gulch. Course N. E. Descend gradually
10.00	Let a trackly 14x12x10 min. 8 min. in the ground for 1/4 sec. Cor. marked 1/4 on N. face, and raised a mound of stone. 2 ft. base,
14.00	1 ft. high. N. of Cor. Pits impracticable.
17.00	Cross ridge. Course N. E. Ascend 1/4 min.
17.50	Canyon. course N. E. Enter aspens 1/4 min.
18.00	Leave timber ascend. 50 ft. to
- 80.00	Let a trackly 24x12x12 min. 18 min. in the ground for Cor. to Secs 22, 23, 26 & 27. ascend 2 min. on S. E. edge, 1/2 min. raised a mound of stone. 2 ft. base, 1 ft. high N. of Cor. Pits impracticable.
	Land. rolling.
	Soil. Rocky. 4 in. calcs.
	Timber. Aspen & pine in bottom of canyon.

Subdivisions of U.S. & P.R. M. Continued.

Mains	Mountainous Land 80. chs.
70.89° 5.9' E. on a random line bet. Secs 23 & 20.	
40.00 Set temporary 1/4 sec. cor.	
80.20 Intercept N.E. S. 1/2 mi 12 chs. S. of cor. to sec 3: 24, 25 & 26.	
Thence I run	
189° 6' 2" W. on a true line bet. Secs 23 & 26.	
Enter scattering cedars & pines. ascend.	
40.00 Leave timber.	
40.10 Set a random line 16 x 12 + 8 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of Cor. Site impracticable.	
60.00 Ridge. 800 ft. above sec. cor. bears N. E. 45° W. descend.	
70.00 Enter regions of spruce.	
73.00 Canyon, course N.E. flowing over 1-in. flows N.E.	
75.00 Leave timber, ascend 100 ft. to	
80.20 The cor. to Secs 22, 23, 26 & 27.	
Land rolling.	
Soil. Rocky & gravelly. 1/4 mile.	
Timber. Spruce, spuce, cedar & pine.	
Mountainous land 80. 20 chs.	
70.00 W. Set. Sec 22 & 23.	
Ascend 50 ft.	
40.00 Ridge. near N.E. 45° W. ascend gradually	
25.00 Ravine 75 ft. deep. course E. bears N.E. down	
29.00 Ridge. bears N.E. 45° W. descend	
40.00 Set a trachyte 24 x 8 x 6 in. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Site impracticable.	
34.50 Ravine. course S.E. ascend 300 ft. to	
65.00 Ridge. bears E. 45° W. descend.	
67.20 Middle Fork of Box Creek Canyon course N.E. Road. bears N.E. 45° W. ascend E. slopes.	
78.00 Enter aspens.	
80.00 Set a trachyte 20 x 10 x 4 in. 15 ins. in the	

Observations of Mt. Graham

	ground. for elev. 6-14.15-22 & 23 marked 300 feet on N. & S. matches on E. side, from where you ascend 8 min. in diam. bears 48° E. & the elev. marked T. 27. R. 1. sec. 17. S. 19. R. T.
	On ascent 8 min. in diam. bears 55° N. 20' E. dist. marked T. 27. R. 1. sec. 17. S. 22. R. T.
	On ascent 12 min. in diam. bears 55° N. 20' E. dist. marked T. 27. R. 1. sec. 17. S. 22. R. T.
	On ascent 12 min. in diam. bears 60° N. 12' E. dist. marked T. 27. R. 1. sec. 17. S. 15. R. T.
	Land. broken.
	Soil. Rocky & gravelly, 4-6 in.
	Timber. Cedar, Pine & Spruce.
	Mountainous land 80.04 ch.
	104° 52' E. on a random line bet. elev 14 & 23
40.00	Alt. temporary line Con.
50.04	Intersect N. W. line 5. lbs. N. of con. to elev 13. 14. 23 & 24.
	Then 1. lbs.
	109° 54' W. on a line line bet. elev 14 & 23.
	Enter scattering Cedars & pines, ascend.
5.00	Point of rocky ridge, falls N. & descends
57.40	Spring on line flows S. toward cedar & pine.
40.02	bet - a sandstone 10x12x5 min. 12 min. on the ground. for 1/4 sec. Con. marked N. on N. face, and raised a mound of stone 2 ft. high 15 ft. high. N. of Con. it is impracticable.
41.00	Enter aspens.
41.050	Leave aspens.
56.30	Gulch, comes S. ascend.
29.00	Enter aspens.
30.04	Line con. to elev 14. 15. 22 & 23.
	Land. broken.
	Soil. rocky & gravelly & water.
	Timber. Cedar, Pine & Spruce.
	Mountainous land 80.04 ch.
	September 2 1897
	100° 51' W. bet. elev 14 & 15.
	Enter aspens. ascend.
1.00	Leave aspens.

Subdivisions of C. P. & P. R. R. W. Continued.

Chains.	
31.00	Lok of ridge. bears E. S. W. and ground is level.
40.00	Set a trachyte 16 x 18 x 8 cm. 11 m. in the ground for 1/4 dec. cor. marked 1/4 on the face, and raised a mound of stones 2 ft. base, 1/2 ft. high. N. of Cor. 1/4 in inadmissible.
52.00	Lok of flat ridge. bears E. S. W.
63.00	Leave as above.
77.00	Leave as above.
88.00	Set a trachyte 18 x 14 x 9 cm. 12 m. in the ground for cor. to sec 10. 11. 14 1/15 marked 1/4 on E. of 2 molches on E. edges; and raised a mound of stones 2 ft. base, 1/2 ft. high. W. of Cor. 1/4 in inadmissible. Land. nothing.
	Soil. rocky & gravelly & sand.
	Timber. Abund. & good.
	Mountainous land. 80. c.s.

	187.53' E. on a mountain in sec 10. 11. 14.
40.00	Set temporary 1/4 dec. cor.
80.00	Corrected W. of 1/4 line 14 the N. of Cor. to sec 11. 12. 13 1/14.
	Then I now
	West - on a line line set. Sec 11 1/14.
	Enter as above. ascend.
112.0	Leave as above.
41.00	Ridge. bears N. W. E. S. E. and ground along E. slopes
50.00	Set a trachyte 18 x 8 x 8 cm. 12 m. in the ground for 1/4 dec. cor. marked 1/4 on the face; and raised a mound of stones 2 ft. base, 1/2 ft. high. L. of Cor. 1/4 in inadmissible.
50.00	Enter as above of Mahogany.
63.00	Leave timber.
67.00	Lok of ridge. bears N. E. S. ascend to
80.00	the cor. to sec 10. 11. 14 1/15.
	Land. nothing.
	Soil. rocky & gravelly. A. soil.
	Timber. Abund. & Mahogany. stones.
	Mountainous land 80 c.s.
	Alt. at this cor. E. set off 7 1/5' N. on the decl. side; and above 6' N. bank above the sun on the midline, the resulting lat. is 38.29' N.

Subdivisions of T. 27 S. R. 2 W. Continue

chain	60° 0' N. Lat. Sec 10 E/11. descend gradually.
40.00	Set a Quartzite 16x10x4 cms. 10 cms. on the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base 1/2 ft. high. N. of Cor. Pit impracticable.
44.00	Top of ledges 50 ft. high descend.
48.50	Head of hollow. course N. W. ascend.
56.50	Point of ridge. bears N. W. descend 400 ft. in aspens.
67.00	North Fork of Box Creek. Course course E. Creek & the mts. flows E. ascend.
70.50	Point of ridge. bears E. 100 ft. high descend.
72.00	Gulch. course E. ascend.
76.00	Point of ridge. bears E. 100 ft. high descend.
80.00	Set a Triangular 14x14x12 cms. 9 cms. on the ground for cor. to Secs 2-3. 10 E/11. marked 5 matches on S. E/2 matches on E. edges, and raised a mound of stone 2 ft. base 1/2 ft. high. N. of Cor. Pit impracticable.
	An aspen 7 ins. in diam. bears N. 12° W. 260 ft. dist. marked T. 27 S. R. 2 W. S. 3 E. B. T.
	No other bearing trees within limits.
	Land broken.
	Soil. Rocky, 4 th rate.
	Limbis. Aspens.
	Mountainous land 80 chs.
	East on a random line Lat. Sec 2 E/11.
40.00	Set temporary 1/4 sec. Cor.
80.02	Intersect N. E/4 line 9 lbs. S. of Cor. to Secs 1, 2. 11 E/11.
	Thence I run
	88° 56' W. on a true line Lat. Sec 2 E/11.
	descend gradually from high mountain.
12.00	Enter aspens.
15.00	Leave aspens.
16.00	Ridge. bears N. 31° S. descend.
22.50	Gulch 100 ft. dep. course S. E. ascend.
29.00	Ridge. bears N. W. 34° S. E. descend.
40.01	Set a Triangle 14x8x6 cms. 10 cms. on the ground

BOOK A-249

Distribution of C. L. F. P. & Co. Continued.

70.00	for face. Con. marked $\frac{1}{4}$ on N. face, and raised a mound of stone 2 ft. base 15 ft. high. N. of Con. too impracticable.
71.00	Gulch 250 ft. deep. course S. E. ascend. Ridge. bears N. E. descend.
72.00	Canyon. course S. crush 2 lbs. mds. flowers. Enter arroyo. ascend 50 ft. to
73.00	Sheer con. to dice 2. 3. 10. 8/11. Land. broken rolling. Soil. Rocky, 4 to 6 in. Timber. Open growth. Mountainous land 70.02 chs.
74.00	102.01 W. on a random line. Set. dice 2 8/5.
75.00	det. timberway to see Con.
76.00	Indirect N. side of cliff at con. to dice 2. 5. 34 8/55.
77.00	Ridge. Course
78.00	103.01 E. on a line line set. dice 2 8/5. Enter scattering mesas. descend
79.00	Fold of Frontalis. Course. course E. crush 2 lbs. mds. flowers 1 ft. ascend.
80.00	Leave arroyo.
81.00	Rock. bears 10. 9. 8/11.
82.00	Set. a beachy hill 10 x 12 x 8 in. 11 in. in the ground for $\frac{1}{4}$ of con. marked $\frac{1}{4}$ on N. face, and raised a mound of stone 2 ft. base 15 ft. high. N. of Con. 11 ft. impracticable.
83.00	Ridge. bears E. 8/11. Ascend 200 ft. to
84.00	Canyon. course S. E. ascend.
85.00	Point of ridge. bears S. E. descend.
86.00	Enter arroyo.
87.00	Ravine. course E. crush 2 lbs. mds. flowers E. ascend to
88.00	The con. to dice. 2. 3. 10. 8/11.
89.00	Land. broken.
90.00	Soil. Rocky 4 to 6 in.
91.00	Timber. Open growth.
92.00	Mountainous land 78.00 chs

September 3" 1897.

Subdivisions of V. 27. & T. 2. Cont.

chains	September 24 - Oct. 7-10 = R. M. C. S. G. I. set off 38° 25' on the lat. arc; 7° 78' on the decl. arc; and determine a true meridian with the sextant at the cor. to Secs. 33 & 34 on E. bdy. of the township line previously described lines I run No. 2 W. lat. Secs. 33 & 34.
	Descend
5.00	Enter aspens.
12.50	Leave aspens.
13.10	Gulch 100 ft. below sec. cor. Course E. ascend ridge. 350 ft. high. bears E. E. W. descend gradually down mountain sloping N. E.
33.00	
40.00	Set a trachyte 14 x 10 x 3 ms. 10 ms. in the ground for sec. cor. marked $\frac{1}{4}$ on N. face, and raised a mound of stone 2 ft. base, 1.5 ft. high. W. of cor. Site impracticable.
44.00	Enter aspens 1/2 miles Ridge being N. E.
50.00	Set a trachyte 15 x 10 x 12 ms. 10 ms. in the ground. for cor. to Secs 27, 28, 33 & 34. marked 1 notch on S. and 3 notches on E. edges, and raised a mound of stone 2 ft. base with flat top. W. of cor. Site impracticable.
	An aspen 6 ms. in diam. bears N 81° 25' E.
	On this dist. marked T. 27. S. R. 2. W. 5. 27. B. T.
	An aspen 6 ms. in diam. bears N 81° 50' E. 82
	On this dist. marked T. 27. S. R. 2. W. 5. 34. B. T.
	No other bearing trees within limits.
	Sand. rolling.
	Soil. Rocky. A. Crater.
	Timber. Aspen. E. Pines.
	Mountainous land 80. chs.
	East on a random line bet. Secs 27 & 34.
40.00	Set temporary $\frac{1}{4}$ sec. cor.
50.00	Intersect N. E. line at cor. to Secs 26-27-34 E. 35.
	Change I. line.
	West on a true line bet. 27 & 34.
	Ascend 100 ft. to
15.00	Ridge, N. E. Descend.

Subdivisions S.E. of S.P. & W. Continued

- 22.00 Ravine 200 ft. deep, course N. ascend.
 40.00 Set a trachyte 16 x 11 x 8 ins. 11 ins. in the
 ground for 1/4 Sec. Cor. marked 1/4 on N. face,
 and raised a mound of stone 2 ft. base,
 1/2 ft. high. N. of Cor. Pits impracticable.
- 41.50 Enter aspens.
- 44.00 Ridge. Bear N E S. descend. Lean aspens.
- 58.00 Gulch. course N. E. 200 ft. deep. ascend
- 60.00 Enter aspen & pine timber.
- 80.00 Thru cor. to Secs 27. 28. 30 1/34.
 and rolling.
- Soil. Rocky & gravelly.
- Timber. Aspens & Pine.
- Mountainous land. 80. chs.
- 110° 02' W. bel. Secs 27 & 28.
- Enter scattering aspens. descend gradually.
- 39.50 Ravine. course N 20° E. ascend.
- 40.00 Set a trachyte 16 x 12 x 5 ins. 11 ins. in the
 ground for 1/4 Sec. Cor. marked 1/4 on N. face,
 and raised a mound of stone 2 ft. base,
 1/2 ft. high. N. of Cor. Pits impracticable.
- 48.00 Risen about 20 ft. from point of ridge, bearing N.
- 51.50 Ravine. course N. ascend.
- 54.00 Ridge. Bear E & N. descend gradually.
- 60.80 Lean aspens.
- 80.00 Set a sandstone 16 x 10 x 6 ins. 11 ins. in the
 ground for cor. to Secs 21. 22. 27 & 28. marked
 2 notches on S. & 3 notches on E. edge; 10; 3/4
 raised a mound of stone 2 ft. base. 1/2 ft.
 high. N. of Cor. Pits impracticable.
- Land. rolling.
- Soil. Rocky & gravelly 3rd soil.
- Timber. Scattering. Aspens.
- Mountainous land. 80. chs.
 1/2 ft. at this cor. I set off 6.53 ft. on the due. arc; and at 12 ft. Gilbert
 observes the sun on the meridian, the resulting fd. is 38° 27' N.
- Set on a sandstone line set to Secs 22 & 27.
- 40.00 Set temporary 1/4 Sec. Cor.
- 80.08 Intersect N. E. S. line at cor. to Secs 22 & 25.
 26 1/2 ft.
 Hence I run West as true line 1/4 sec 22 & 27

Yerkes Division of C. L. F. C. H. & W. Continued.

-	-	1 min.	Second.
4.00			Point of ridge. bears S. descend.
9.00			Gulch. course S. E. ascend gradually
13.00			Entire aspens.
18.00			Leave aspens.
40.04			Set a brachylite 18x14x5 mns. 12 mns. in the ground for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1/2 ft. high. N. of Dr. Pile impracticable.
60.00			Ridge. bearing S. descend
68.00			Ravine. course N. E. thence S. E. ascend to
70.00			Line cor. to Secs 21. 22. 27 & 28.
80.08			Entire rolling.
			Soil. rocky & gravelly. 3 rd ratio.
			Imbush. aspens. 1
			Coniferous land 80-08 chs.

No. 02 W. bet. Secs 21 & 22.

Descending.

2.75			Entire aspens.
8.50			Ravine. course E. ascend. Leave aspens
21.00			Ridge. bears E & N. descend.
26.50			Ravine. course E. ascend. 70 ft. to
33.00			Flat-top of ridge. bears E & N.
40.00			Set a brachylite 14x10x10 mns. 10 mns. in the ground for 1/4 sec. cor. marked 1/4 on N. faces, and raised a mound of stone 2 ft. base, 1/2 ft. high. N. of Dr. Pile impracticable.
42.50			Entire 2/4 sec.
53.00			Leave flat. ascend 100 ft. to
57.00			Ravine. course E. ascend
61.00			Ridge. bears N. W. & S. E.
63.00			Leave aspens. descend 175 ft. to
77.00			Entire flat.
78.25			Ridge. bears E & N.
80.00			Set a brachylite 20x14x6 mns. 15 mns. in the ground for cor. to Secs 15. 16. 21 & 22. marked 27. 1/2. on N. E. and 2. N. on S. E. faces; with 3 molches on S. & E. edges; and raised a mound of stone

Subdivision of T. 2, S. 1, D. 1. W. Continued

Chains: 2 ft. base, 1/2 ft. high. W. of Cor. Pits impracticable.
 Land. rolling.
 Soil. rocky & gravelly. 3' elev.
 Timber. Aspens.
 Mountainous land. do chs.

Exit on a mountain line bet. Secs 15 & 22
 40.00 Det-temporary, 1/4 Sec. Cor.
 80.36 Inclined H. & L. line 10 chs N. of cor. to Secs
 14, 15, 22 & 23.
 Thence I run
 N 89° 56' W. on a true line bet. secs 15 & 22.
 Enter aspens. ascend 200 ft. to
 1.00 Leaves aspens.
 10.00 Ridge. bears N. E. & S. descend gradually
 33.00 Enter aspens.
 37.00 Leaves aspens.
 40.18 Det-a trachyte 10 x 10 x 6 ins. 6 ins. in the
 ground for 1/4 Sec. Cor. marked 1/4 on N.
 face; and raised a mound of stones 2 ft.
 base. 1/2 ft. high. W. of Cor. Pits imprac-
 tical
 55.00 Ascend gradually
 70.00 Enter flat. 1'
 73.00 Road. bears N. E. & S. W.
 80.36 On cor. to Sec 10, 16, 21 & 22.
 Land. rolling & broken.
 Soil. rocky & gravelly.
 Timber. Aspens.
 Mountainous land 80-36 chs

Welllimbs: " 189

0° 02' W. bet. Secs 15 & 16.

Ascend gradually over flat;

12.00 Leaves flat; ascend gradually

40.00 Det-a trachyte 15 x 18 x 4 ins. 10 ins. in the
 d for 1/4 Sec. Cor. marked 1/4 on N. face;
 and raised a mound of stones 2 ft. base,
 1/2 ft. high. W. of Cor. Pits impracticable
 43.00 Enter aspens.

50.00 Top of ascent; descend gradually

58.00 Enter flat; Leaves aspens.

Subdivision of S. 27, T. R. 2, W. Cont.

Chamois 69.80	Creek 5 lks wide. comes N. E.
- 80.00	Set a trackyle 30x14x4 in. 22 ins. in the ground for Cor. to Secs 9, 10, 15. E. 16. marked with notches on E. & 3 notches on E. edges; and raised a mound of stone 2 ft. base. 1 ft. high. N. of Cor. Pile impracticable. Land. rolling.
	Soil. Gravelly & rocky. 3 rd rate.
	Lumber. Pines.
	Mountainous land 80 chs.
	1189.56 E. on a random line bet. Secs 10 & 15.
40.00	Set temporary 14 sec. Cor.
80.40	Interact. A P. S. line 5 lks N. of cor. to Secs 10, 11, 14 & 15.
	Since I run
	1189.58 W. on a true line bet. Secs 10 & 15.
	Ascend
11.40	Hollow. comes N. W. ascend. L. 15 min. 200 ft.
40.00	Ridge. bears N. E. descend.
40.20	Set a granite 18x11x7 in. 12 ins. in the ground for 14 sec. cor. marked 7/4 on N. face; and raised a mound of stone 2 ft. base. 1 ft. high. N. of Cor. Pile impracticable.
61.00	Hollow. comes N. E. scatter aspens. and spruce. ascend
70.00	Ridge. bears N. W. 1/4 E. descend.
72.50	Same timber.
79.40	Box Creek 10 lks wide. flows N. ascend
80.40	The Cor. to Secs 9, 10, 15 & 16.
	Land. broken.
	Soil. Gravelly & rocky. 3 rd rate.
	Lumber. Pines & spruce.
	Mountainous land 80 chs.
	Dist. at the cor. set off 6.51 W. on the side. and 1 at 12 th 6.66. 6.66 leaves the corner the remainder the remaining lot is 58.29 N.
	No. 2 W. Set. Secs 9 & 10.
	Descend in bottom of Corries.
8.00	Ascend.
8.00	Point of ridge 50 ft. high. falls E. descend
10.00	Corries. comes E.
11.00	Creek 5 lks wide. 3 ins. deep. flows E. ascend
17.00	Point of ridge. 100 ft. high. bears S. E. descend
	Scatter aspens.

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Subdivisions of P. 27. S. 10. T. V. Continued.

Chains 25.10	Enter bottom of Canon. course S. E. ascend on canon.
40.00	Set a trachyte 18x14x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1 ft. high. W. of cor. Pile impracticable.
45.20	Leave canon. course S. E. from N. W. ascend. top of ascent bears N. W. & S. E. Enter flat ascending gradually.
60.00	Top of ascent bears N. W. & S. E. Enter flat ascending gradually.
80.00	Set a granite 16x12x8 ins. 11 ins. in the ground for cor. to Secs. 3-4-9 & 10. marked 5 notches on S. E. 3 notches on E. edges; and raised a mound of stone 2 ft. base, 1 ft. high. W. of cor. Pile impracticable. On aspens 18 ins. in diam. bears N. 31° E. 13 lbs. dist. marked T. 27. S. R. 2. W. 5. 3. B. T. On aspens 10 ins. in diam. bears S. 58° E. 12 lbs. dist. marked T. 27. S. R. 2. W. 5. 10. B. T. No other bearing trees within limits. Land. broken. Soil. gravelly & rocky, & talus. Timber. Abundant & tall. Mountainous land 80 chs.
	N 89° 38' E. on a rounded knoll. Set. Secs 3 & 10. Set temporary to Sec. cor. Intersect H. 3/4 st. line at cor. to Secs 2-3-10 thence 5 rows.
40.00	S 89° 08' W. on a tree line. Set. Secs 3 & 10. Ascend in scattering aspens.
80.42	Ridge. bears N. W. 3/4 S. E. Set a granite 16x 10x7 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. faces, and raised a mound of stone 2 ft. base, 1 ft. high. W. of cor. Pile impracticable.
40.21	Descend.
60.20	Branch of North Fork of Box Creek, 4 lbs mid. flows S. E. on canon, 2 or 3 ft. deep, comes S. E. ascend to
80.42	The cor. to Secs 3-4-9 & 10.

Subdivisions of V. of S. F. L. W. Continued.

Firs.	Land, rolling & broken, Soil, gravelly & rocky, 5 th rate. Timber - Pines.
	Mountainous Land \$2.45 per acre Sept. 5, 1877, at 4 th rate per cent. I set off 38.28 on the table, 16.58 on on the declination, and determine a true meridian with the solar time 3 rd Oct. on a random line bet. Secs 3 & 4.
40.00	Set - temporary 1/4 Dec. Cor.
79.00	Interior N. W. of L. 26 Secs E. of Cor. to Secs 3, 4, 5 & 6 of 34, as established by me, August 61 st , 1877.
	Whence I run
	30° 15' E. on a true line bet. Secs 3 & 4.
	Enter scattering aspens. descend
5.40	Gulch. course S. W. ascend
12.00	Point of ridge 100 ft. high. descend
28.40	Leave aspens.
35.50	Patches. course S. E.
35.80	Creek & Shs mds. 4 mos. old. firs 1 st .
37.40	Enter aspens. ascend.
39.00	Set - a granite 14 x 12 x 7 mos. 9 mos. in the ground for 1/4 sec. Cor. marshed, 1/4 N. W. face; from which
	In aspens 18 mos. in diam. bears 1/2 28° E so this dist. marshed 1/4 S. 15° E.
	In aspens 6 mos. in diam. bears 1/4 29° W 15° N dist. unmarshed 1/4 S. 15° E.
48.00	Point of ridge. bears N. E. ascend,
54.00	Gulch 60 ft. deep. course S. E. ascend.
57.40	Point of ridge. bears S. N. ascend
65.00	Gulch. course S. Enter spruce. ascend 100 ft.
71.00	Ridge. bears S. S. E. 3/4 S. E. leave spruce. descend gradually over flat to
- 79.00	On cor. to Secs 3, 4, 5 & 6. 1 st mds. broken. S
	Soil - Gravelly. 2 nd rate.
	Timber - Aspens & spruce.
	Mountainous Land 79.00 circ.

September 5th 1877

Subdivisions of C. S. F. M. & W. Continued.

stations	<p>September 6-1897 at 4 h 30 m A. M. Compt. I set off $58^{\circ} 25'$ in the Lat. arc; $6^{\circ} 15' N.$ on the decl. arc; and determine a true meridian with the solar. at the cor. to Secs. ... 32 & 33, which I established August 21st 1897. Hence I now</p> <p>$70^{\circ} 03' W.$ lat. Secs 32 & 33.</p> <p>Enter scattering oaks, ascend 80 ft.</p>
8.00	<p>Foot of conglomerate ledges 100 ft. high. Leans aspens. ascend</p>
10.50	<p>Top of ledges. Enter mahogany. ascend.</p>
19.00	<p>Ridge. 250 ft. above sec. cor. bears $E E W.$ Leans mahogany. Enter spruce & aspen. descend</p>
20.00	<p>Leans timber.</p>
39.50	<p>Enter timber.</p>
40.00	<p>Set a foundation 16 x 12 x 10 ins. 11 ins. in the ground for 1/4 sec. cor. marked $\frac{1}{4}$ on W. face; front article</p> <p>Put any iron 6 mm. on claims. bears $151^{\circ} 30' E$ 13 chs. marked 1/4 S. 15. 1.</p> <p>Put asphalt 40 mm. in claims. bears $145^{\circ} W$ 19 chs. dist. marked 1/4 S. 15. 1.</p>
49.40	<p>Leaves 500 ft. deep. crosses 1/4 W. creek 4 chs. wide. 6 ins. deep. flows to W. Leans timber ascend to</p>
50.00	<p>Set a boulder 10 x 1 x 10 ins. 12 ins. in the ground for cor. to sec 28 - 29 - 32 & 33. marked 1/4 which is 1/4 1/4, matches on E. edges; and raised a mound of stones 2 ft. base, 1/2 ft. high. W. of cor. Pit impracticable and broken.</p>
	<p>Fair - gravelly & rocky, 3rd estate.</p>
	<p>Timber. Aspens, spruce & mahogany. Mountainous land 80 chs.</p>

Based on a random line bet. Secs 28 & 33.

40.00 Set timberline, 1/4 sec. cor.

79.90 Intersect R. of S. line & the W. of cor. to sec
 27, 28, 30 & 34.

Hence I now

Subdivision of C. & G. L. P. & N. Co.

Chains	1.89' 58" W. on a true line bet. Secs 28 & 52.
	Ascend gradually.
11.00	Enter aspens.
17.00	Leave aspens.
27.00	Enter aspens.
29.00	Ridge. Bears N. W. E. S. E. Leave aspens. descend gradually.
38.00	Road. Bears N. E. S. E.
57.90	Set a track 16x11x7 min. 11 min. on the ground for Fr. Sec. Co. marked 14.00 ft. face, I raised a mound of stone 2 ft. base 1/2 ft. high. N. of Co. Pits impracticable.
41.00	Enter aspens.
51.00	Ascend gradually.
57.00	Divide bet. Liver. & Grass Valley's. bears N. E. S. E. Leave aspens. descend 60 ft. to other cor. to Secs 28, 29, 33 & 52.
57.90	Land, rolling.
	Soil. Gravelly & rocky. 3 rd rate.
	Timber. Aspens.
	Scattered land. 27.90 cho.

	No. 28 W. bet. Secs 28 & 29.
	Ascend 100 ft.
7.00	Divide bet. Liver & Grass Valley's. bears N. W. E. S. E. Enter aspens. Ascend gradually.
29.00	Leave aspens.
40.00	Set a sandstone 18x16x8 min. 12 min. on the ground for 1/4 dec. cor. marked 14.00 ft. face, I raised a mound of stone 2 ft. base 1/2 ft. high. N. of cor. Pits impracticable.
44.00	Enter aspens.
50.00	Set a sandstone 18x14x10 min. 12 min. on the ground for cor. to Secs 20, 21, 28 & 29 marked 1/4 matches on S. & 1/4 matches on E. edges, from which 2 aspens 6 min. in diam. bears N. 18° E. 27 ft. dist. Gravelled T. 27. S. R. 2. M. 8. 21. B. T.
	Aspens 6 min. in diam. bear N. 35° E. 36 ft. dist. marked T. 27. S. R. 2. M. 8. 22. B. T.
	Divide 10 min. in diam. bears N. 10° S. 19. 68 ft. dist. marked T. 27. S. R. 2. M. 8. 23. B. T.

Subdivisions of T. 27 S. R. 2. N.W. Continued

names
 An aspen 10 ins. in diam. bears $461^{\circ} 07' W$
 dist: marked $T. 27. S. R. 2. W. S. 20. B. T.$
 Land. rolling.
 Soil. Gravelly & rocky. 3rd alt.
 Timber. Aspens.
 Mountainous land 80 chs.
 Sept. 6" at this cor. I set off 6:09' W. on the decl. and at 12th ch.
 L. m. above sum on the meridian the result lat. is 5°.
 $589^{\circ} 58' E.$ on a random line bet. sec 21 & 28.
 40.00 Det-temporarily sec. Cor.
 79.83 Intercept R. & S. line 5 chs N. of Cor. to Secs
 1. 22: 27 & 28.
 Then I run
 $589^{\circ} 56' W.$ on a true line bet. sec 21 & 28
 Ascend 0-0 ft.
 4.00 Point of ridge. bears N. descend 40 ft.
 9.00 Ravine. course N.E. ascend
 10.00 Enter aspens.
 36.90 Road. bears N.E. 3rd W.
 37.50Leave aspens.
 39.92 Det-a trachylite 14x9x4 ins. 10 ins in the
 ground. for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face;
 and raised a mound of stone 2 ft. base,
 1 ft. high. N. of Cor. Site impracticable
 In low ridge. bears N.E. 3rd W. descend gradually.
 46.00 Hollow covered N.E. enter aspens. ascend 10 ft.
 79.84 The cor. to Secs 20-21-28 & 29.
 Land. rolling.
 Soil. Gravelly & rocky. 3rd alt.
 Timber. aspens.
 Mountainous land. 79.84 chs.

$65^{\circ} 03' W.$ bet. sec 20 & 21.

Enter aspens. 3rd scattering spruce. descend.

8.00 Gulch. course N.E. ascend 100 ft. to
 20.00 Ridge. bears N.E. 3rd W. descend 0-0 ft. to
 30.90 Gulch. course N.E. ascend
 40.00 Det-a sandstone 16x10x8 ins. 11 ins. in the
 ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face;
 from which

An aspen 6 ins. in diam. bears $50^{\circ} 4^{\circ} 50' W$
 60 chs. dist: marked $\frac{1}{4}$ S. B. T.

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tribulations of Oct. 24, 1912 W. Continued

Chains	A Spruce 24 mos. in diam. bears North 134° S. dist. marked $\frac{1}{4}$ S. N. B. T.
41.54	opened 24 mos. in diam. on line; I marked with 2 notches on N. E. S. sides.
42.00	Ridge. bears E. S. W. descended 200 ft.
54.00	Leave timber.
64.40	Ravine. round E.
64.50	Ridge. bears E. S. W. Descend.
72.00	Enter aspens.
76.00	Leave aspens.
80.00	Set a sandstone 16 x 12 x 10 mos. 11 mos. in the ground for cor. to Seco 16-17-20 8/21. marked 3 notches on S. & 4 notches on E. edges; and raised a mound of stone 2 ft. basal, 1 ft. high. N. of Cor. Pits impracticable. Land. rolling.
	Soil. Gravelly & rocky, & laterite.
	Timber. Aspens & spruce.
	Mountainous land 80 chs.
40.00	89° 56' E. on a random line bet. Secs 16 & 21.
77.80	Set temporary sec. cor. Intersect B & S. line 10 chs. S. of cor. to Secs 15 16. 21 & 22.
	Then I ran
	W 84° 50' W. on a true line bet. Secs 16 & 21.
18.00	Ascend over flat.
23.00	Leave flat. Enter aspens.
39.90	Set a brachyte 25 x 18 x 4 mos. 19 mos. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$, on N. face, and raised a mound of stone 2 ft. basal, 1 ft. high. N. of Cor. Pits impracticable
63.00	Enter aspens.
68.00	Leave aspens.
69.00	Top of ascent. Bears N. E. S. descend gradually to
79.80	the cor. to Secs 16-17-20 8/21. Land. Rolling. Soil. Gravelly & rocky & laterite. Timber. Aspens. Mountainous land 74.80 chs. September 6 1912.

Subdivisions of V. T. S. F. S. N. Continued.

7-1897. At 7^h. 35^m = a. m. L. M. T.
 set-off 38° 28' on the lat. arc; 5° 52' N on the
 decl. arc; and determine a true meridian
 with the solar, at the cor. to decs 16, 17, 20 &
 21.

Then I run

40° 03' W. bet decs 16 & 17.

Ascend gradually.

20.00 Ridge, 200 ft. above sec. cor. bears E. E. W.

Enter aspen & spruce, descend

28.00Leave timber.

29.25 Branch of N. Fork of Box Creek 6 miles west
 3 mos. deep. flows E. 400 ft. below ridge, ascend

40.00 Ridge 400 ft. high. bears N. E. E. W.

Set a sandstone 18x16x8 in 12 mos. in the
 ground for 1/4 sec. cor. marked 1/4 on N. face;
 from which

An aspen 10 mos. in diam. bears 477° E. 20
 lbs. dist. marked 1/4 S. B. T.

An aspen 8 mos. in diam. bears 484° 40' W
 15 lbs. dist. marked 1/4 S. B. T.

Enter aspen & spruce, descend

53.00 Leave timber, Enter bottom

54.50 Branch of N. Fork of Box Creek 5 miles west
 1 mos. deep. flows S. W. ascend 60 ft.

60.00 Point of ridge, falls E. descend

63.00 Gulch 50 ft. deep, course E. ascend.

68.00 Point of ridge, falls E. Enter aspen bush,
 descend

70.00 Corral bears E. 5.00 chs. dist.

72.00 S. 37° E. cor. of Log Cabin. bears E. 4.00 chs. dist.

80.00 Set a sandstone 20x14x12 mos. 15 mos. in the
 ground for cor. to decs 8, 9, 16 & 17. marked 4
 notches on S. & E. edges; and raised a mound
 of stone 2 ft. base, 1/2 ft. high. N. of cor.
 Pitt impracticable

Land broken,

Soil. Rocky & gravelly, 4 ft. sat.

Aspen & Spruce.

Mountainous land 80 chs.

Subdivision of S. 24. S. R. 2. T. 17. Continued.

- 1.00 \$84° 50' E. on a random line bet. Secs 8 & 16.
 40.00 Set - temporary $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. E. S. line at Cor. 1 - Secs 9, 10, 15}.
 Then descend
 \$84° 50' W. on a line line bet. Secs 9 & 16.
- Ascend
 6.00 Point of ridge. bears N. E. 60 ft. high. descend
 12.00 Hollow. courses N. E. ascend
 18.00 Enter aspens.
 39.9 Set - a sandstone 16 x 14 x 4 in. 11 in. in
 round for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face;
 from which
 An aspen 12 in. in diam. bears \$74° 50' E
 21 lbs dist. marked $\frac{1}{4}$ S. B. T.
 An aspen 12 in. in diam. bears S 80° 30' W. 7
 1/2 lbs dist. marked $\frac{1}{4}$ S. B. T.
 57.0 Ridge bears N. E. S. descend 250 ft.
 75.50 Enter bottom.Leave aspens.
 75.50 Branch of Box Creek 4 lbs wide. 3 in. deep
 flows S.
 79.46 Land bottom. Enter bushes. ascend to
 - 79.96 Top cor. to Secs 8, 9, 16 & 17.
 Land. rolling.
 Soil. Gravelly & rocky. 3 ft calc.
 Timber. Aspens.
 Mountainous land. 79.96 chs.
 110° 03' W. Set - sec 8 & 17.
 Enter aspens on side. ascend gradually.
 17.00 Enter bottom. Leave aspens
 22.80 Branch of G. Fork of Box Creek. 4 lbs.
 wide. flows S. E.
 24.00 Leave bottom. Enter aspens & spruce. etc.
 40.00 Set - a sandstone 16 x 12 x 8 in. 11 in. in the
 ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face;
 from which
 An aspen 8 in. in diam. bears N 18° E 27 lbs
 dist. marked $\frac{1}{4}$ S. B. T.
 An aspen 6 in. in diam. bears S 34° W 35 lbs
 dist. marked $\frac{1}{4}$ S. B. T.
 63.50 Top of ridge. bears S. E. & W. descend to

Subdivision of T. 2 S. R. 2 W. Continued

Chains

- 76.50 Head of Ravine. course E. ascend 100 ft.
 - 80.00 Set a granite 16 x 14 x 10 ins. 11 ins. in the
 ground for Cor. to Secs 4, 5, 8 & 9. marked
 5 notches on S. E. 4 notches on E. edges;
 and raised a mound of stone 2 ft.
 high, 1 $\frac{1}{2}$ ft. high. N. of Cor.
 Site impracticable.

Land rolling.

Soil: Granular & rocky & slate.

Trees: aspen & scattering spruce
 Mountainous land so ab.

Sept. 7th At this Cor. I set off 5° 46' N. on the
 decl. arc; and at 12 $\frac{1}{2}$ M. L. m. l. observe the
 sun on the meridian. The resulting lat. is 38° 29'

Sept. 5th E. on a random line bet. secos 4 & 9.

40.00 Set temporary 1/4 sec. cor.

80.20 Intersect V.G. & S. line & ths N.W. of Cor. to
 Secs 3, 4, 9 & 10.

Then I run

N 89° 48' W. on a true line bet. secos 4 & 9.

Enter scattering aspens. ascend gradually

10.00 Ridge. bears N. W. & S. E. descend 30 ft.

25.00 Enter bottom. leave aspens.

30.00 Leaves bottom. Enter aspens & scattering spruce.
 ascend 60 ft.

39.00 Low point of ridge. bears N. E. descend

40.10 Set a granite 20 x 15 x 4 ins. 15 ins. in the
 ground for 1/4 sec. cor. marked 1/4 on N.E. face;
 from which

An aspen 8 ins. in diam. bears S 5° 30' W. dist. marked 1/4 S. 13.T.

An aspen 8 ins. in diam. bears S 8° E 90 ft. dist. marked 1/4 S. 13.T.

41.00 Hollow. course N. E. ascend 200 ft. to

54.00 Ridge. bears N. W. & S. E. descend 100 ft.

66.00 Gulch. course S. ascend 80 ft. to

80.20 The cor. to Secs 4, 5, 8 & 9.

Subdivisions of L. E. G. S. N. Z. W. Continued

Chamino. Land. broken.

Soil. Granelly & rocky. 3rd rate.

Timber. Spruce & Pines.

Mountainous land. 80-20 chs.

70°.05 N. on a random line Oct. Secs 4 & 5.

40.00 Set temporary 1/4 sec. cor.

79.45 Intercept W. side. of Th. & the N. of Cor. to
Octs 4, 5, 52 & 53. as established by me Aug.
31-1897.

Thence I run

forth on a true line set. Secs 4 & 5.

Enter aspens. second 500 ft.

12.00 Enter bottom of canyon. course E.

16.10 Branch of R. Fork of Box Creek. 5 miles.
5 min. deep. flows E. Enter dead timber. asce 1

24.00 Leaves dead timber. Enter aspens & scattering
spruce

36.00 Top of ridge. 500 ft. above creek. bears E.
descend.

39.45 Set a granite 16 ft x 10 ins. 11 ins. in the
ground for 1/4 sec. cor. unmarked, 1/4 on W. face;
from which

Run as true 6 ins. in diam. bears 115° N 8° E.
marked 1/4 S. S. T.

Run as true 6 ins. in diam. bears 11. 25° N 25° E.
dist. marked 1/4 S. S. T.

49.50 Head of ravine. 200 ft. below ridge. course E.
Second quadrat

68.50 Ridge. bears E. 1/4 N. descend 100 ft. to

-- 79.45 The Cor. to Secs 4, 5, 52 & 53.

Land. broken,

Soil. rocky & granelly. 3rd rate.

Timber. Spruce & Pines.

Mountainous land 79.45 chs.

Sept. 7 1897.

Subdivisions of T. 2 S. S. F. 2 M. Continued

0 ains

September 8-1897. At 7^h 30^m A. M. I. m. t.
I set-off 38° 25' on the lat. arc; 5° 29' N on
the decl. arc; and determine a true meridian
with the Solar. at the Cor. to Secs 5: 6 - 31 & 32
on S. body of G. as established by me.

heretofore

Since I run

40° 05' N. bet. Secs 31 & 32.

ascend 300 ft.

31.00 Ridge. bears N. E. & S. W. descend gradually

40.00 Set a granite 17 x 11 x 7 inos. 12 ino. in the
ground for 1/4 sec. Cor. marked 1/4 on W. face;
and raised a mound of stones 2 ft. base,
1/2 ft. high. W. of cor. Pits impracticable

79.75 Ravine. course N. E. ascend

80.00 Set a trachyte 13 x 10 x 9 inos. 9 ino. in the
ground for cor. to Secs 29 - 30 - 31 & 32.
marked, notch on S. & 5 notches on E.
edges; and raised a mound of stones a
base, 1/2 ft. high. W. of Cor. Pits imprac-
ticable. rolling.

Dirt. gravelly & rocky. 3rd state.

Scattering stones of aspen.
Mountainous land 80. chs.

East on a random line bet. Secs 29 & 32.

40.00 Set temporary 1/4 sec. Cor.

50.00 Intercept W. & S. line at Cor. to Secs 28 - 29.
32 & 33.

Since I run

West on a true line bet. Secs 29 & 32.

Descend 300 ft.

8.00 Dry Canon. course S. Creek & the middle flows
S. ascend

13.00 Enter aspen brush.

40.00 Set a sandstone 24 x 15 x 14 inos. 18 ino. in
for 1/4 sec. Cor. marked 1/4 on W. face;
and raised a mound of stone 2 ft. base.
1/2 ft. high. W. of Cor. Pits impracticable.

50.00 Ridge. bears N. E. & S. descend. beam brush

79.75 Ravine. course N. E. ascend.

Subdivisions of T. 27. S. R. 2. W. Continued

Onward 80.04 Thru cor. to Secs 29, 30, 31 & 32.

Land, rolling.

Soil, Granular & rocky. 3 tracts.

Timber, aspens.

Mountainous land 80.04 hrs.

West on a random line bet. Secs 30 & 31

40.00 Set temporary 1/4 sec. cor.

49.30 Entered W. base of M. at cor. to Secs

26, 30, 31 & 36 as heretofore described

thence I run

East on a true line bet. Secs 30 & 31.

Enter scattering aspens, ascend

9.30 Set a track to 16 x 12 x 8 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1 ft. high. N. of cor. Pit impracticable

19.30 Ridge. bears E. & W. descend grad.

24.00 Leave aspens.

49.30 Thru cor. to Secs 29, 30, 31 & 32.

Land, rolling.

Soil, Granular & rocky. 3 tracts.

Scattering aspens.

Mountainous land 49.30 hrs.

No. 03 W. bet. Secs 29 & 30.

Ascend,

4.00 Enter aspens.

4.50 Limit of ridge. bears E. descend

6.30 Leave aspens.

11.00 Fork of Dry Canon. Creek 3 lbs wide, flows S.

11.50 Ascend 200 ft.

35.00 Ridge. bears E. & W. Enter aspens. descend 150 ft.

40.00 Set a track to 16 x 14 x 6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face. from which an aspen 15 in. in diam. bears N. 45° 15' E. 08 dist. marked 1/4 S. B. T.

An aspen 15 in. in diam. bears N. 38° 40' W. 26 lbs dist. marked 1/4 S. B. T.

Ascend 150 ft.

68.80 Ridge. bears E. & W. descend gradually

Subdivision J. 27. S. P. L. W. Continued

- 0' ains
73.00 and aspens.
- 80.00 Set a brachytile $16 \times 9 \times 6$ ins. 11 ins. in the round, for cor. to Secs 19. 20. 24 & 30. marked 2 notches on S. and 5 notches on E. edges; and raised a mound of stone 2 ft. base. 1 ft. high. N. of Cor. Hills impracticable. Land broken.
- Soil. Granulely & rocky & slate.
- Timber. Scattering groups of aspen.
- Mountainous land 80 chs.
Sept. 8th 1897. At this cor. I set off 5:24 N. on the declination, and at 72° 6' E. bearing the sun 1° 11' 42" in the sky.
- East - on a random line bet. Secs 20 & 24
- 40.00 Set temporary 1/4 sec. cor.
- 80.20 Intercept N. & S. line at cor. to Secs 20-21. 28 & 29.
- Thence I run
- West - on a true line bet. Secs 20 & 29.
- Descend 100 ft. in aspens & spruce.
- 82.0 Gulch. descend N. E. ascend 200 ft.
- 40.10 Set a sandstone $18 \times 10 \times 6$ ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on G. fa. and raised a mound of stone 2 ft. base. 1 ft. high. N. of Cor. Hills impracticable to bearing trees within limits.
- 50.00 Ridge. bears N. 37° E. descend over rolling top. of mountain.
- 77.25 Leave timber.
- 80.20 The cor. to Secs 19. 20. 24 & 30
- rolling.
- Soil. Rocky & slate.
- aspen & spruce.
- Mountainous land 80-20 chs.
-
- West - on a random line bet. Secs 19 & 30.
- 40.00 Set temporary 1/4 sec. cor.
- 48.90 Intercept N. & S. line at cor. to Secs 19. 24 & 30. as heretofore described.
- Thence I run
- East - on a true line bet. Secs 19 & 30.
- Ascend gradually
- 8.95 Set a granite tile $12 \times 12 \times 5$ ins. 8 ins. in H

Subdivisions of C. 27. S. P. S. W. Continued

9 round, for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on R. face; and raised a mound of stones. 2 ft. base. 1 ft. high. N. of Cor. Pits impracticable. The cor. to Secs 17. 20. 29 & 30.

48.95 Land. rolling.

Soil. Rocky & gravel.

No timber.

Mountainous land 48.95 chs.

Sec. 03 W. bei. secs 19 & 20.

Ascend gradually.

10.00 Enter West. front of aspen grove.

Leave aspen.

Enter aspens.

36.00 Ridge. bears E. of W. divide between Bear Valley and Set-a-trachyte 16 x 11 x 4 in. 11 in. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, from which

An aspen 9 in. in diam. bears \$25.80 W. 31 lbs. dist. marked $\frac{1}{4}$ S. B. T.

An aspen 9 in. in diam. bears \$50 & 42 lbs dist. marked $\frac{1}{4}$ S. B. T.

57.00 Ascend gradually

80.00 Set a trachyte 16 x 10 x 4 in. 10 in. in the ground for cor. to Secs 17. 18. 19 & 20. marked 3 notches on S. E. & 3 notches on E. edges; and raised a mound of stones. 2 ft. base. 1 ft. high. N. of Cor. Pits impracticable. No bearing trees within limits.

Land. rolling.

Soil. Gravelly & rocky & gravel.

Timber, aspens.

Mountainous land 80 chs.

September 8th 1897

Sift. 10 - At 7 h. 0 = A. M. L. m. L. I set off 38° 28' on the lat. arc; 4.45' N. on the decl. arc, and determine a true meridian with the dial. at the cor. to Secs 17. 18. 19 & 20.

Thence I run

East on a random line bet. secs 17 & 20.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

Subdivision of S. 24. T. R. 2. W. Continued.

80.00 I H. E. lins at cor. to Secs 10-17 & 20
of 21.

Then I run
West on a line lins bet. Secs 17 & 20.
Ascend.

17.70 Road. bears N. W. & S. E.

20.00 Enter aspens.

21.50Leave aspens.

22.00 Ridge. bears N. E. & S. W. descend.

40.00 Set a sandstone 16 x 12 x 6 ins. 11 ins. in the
ground for 1/4 sec. Cor. marked 1/4 on N. face,
and raised a mound of stone 2 ft. base.
1 1/2 ft. high. N. of Cor. Pit impracticable.

60.00 Gulch. course N. E. ascend 100 ft. to

80.00 The cor. to Secs 17, 18, 19 & 20

rolling.

Soil. Rocky. 4th ratio.

Scattering groups of aspens.
Mountainous land 80 cho.

West on a random line bet. Secs 18 & 19.

40.00 Set temporary in Sec. Cor.

48.45 Intersect W. bdy. of off. at cor to Secs 15.
18.19 & 24. as heretofore described.

Then I run

East on a line lins bet. Secs 18 & 19.

Ascend in aspen brush. Scattering spruce

3.40 Old wood road. bears N. E. & S. W.

8.45 Set a Quartzite 16 x 12 x 4 ins. 11 ins. in the
round for 1/4 sec. Cor. marked 1/4 on N. face
and raised a mound of stone 2 ft. base
1 1/2 ft. high. N. of Cor. Pit impracticable

15.00 Point of ridge. bears N. descend.

21.50 Gulch. course N. ascend.

26.00 Ridge. bears N. & S. E. divide bet. basin & grass
deposited.

48.45 The cor. to Secs 17, 18, 19 & 20.

and. broken.

Soil. Rocky. 4th ratio.

Timber. Scattering spruce, aspen brush
on 48.45 cho.

Mountainous land 48-45 cho.

Subdivisions of C. 27 S. R. 2 M. Continued.

Distance:	Sec. 17 & 18.
7.00	Enter aspen brush. ascend gradually.
22.25	Point of ridge. falls E. descend in aspens.
22.50	Ravine comes W. E.
35.00	Old road. bears N. E. E. S. W. ascend.
40.00	Leave timber. Set a trachyte 15 x 8 x 8 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base. 1/2 ft. high. N. of cor. Pits impracticable.
42.00	Ridge. bears E & W. descend.
43.00	Enter spruce & aspens.
60.50	Creek 3 lbs avol. in gulch. comes E. ascend.
80.00	Set a trachyte 15 x 10 x 8 ins. 10 ins. in the ground for cor. to Secs 7. 8. 17 & 18. marked 4 notches on S. & 5 notches on E. edges; and raised a mound of stone 2 ft. base. 1/2 ft. high. N. of cor. Pits impracticable.
	One aspen 6 ins. in diam. bears S 85° 16' W.
	45-lbs dist. marked T. 27. S. R. 2. M. S. 18. B. T.
	An aspen 10 ins. in diam. bears S 55° 45' W. 68 lbs dist. marked T. 27. S. R. 2. M. S. 7. B. T.
	No other bearing trees within limits.
	Soil. Deep.
	Soil. Rocky. 4-5 ins.
	Timber. Spruce & aspens.
	Prairie land 8.0 chs.

Distance:	East on a random line bet. Secs 8 & 17.
40.00	Set temporary 1/4 sec. cor.
77.80	Sentinel M. 4 ft. line 19 lbs. N. of cor. bears S. 9. 16 & 17.
	Then a 1-pm.
	N 89° 52' W. on a true line bet. Secs 8 & 17.
	Enter aspens. ascend.
59.90	Set a trachyte 16 x 10 x 7 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base. 1/2 ft. high. N. of cor. Pits impracticable.
	No bearing trees within limits.
58.00	Ridge. bears W. E. descend.

Subdivision of T. 2 of S. R. 2. W. Continued.

Chains
 72.80 Spring in Gulch. course E. ascend to
 79.80 The cor. to Secs 7. 8. 17 & 18.
 Land. rolling.
 Soil. Rocky, 4 tracts.
 Timber. absent.
 Mountainous land 79.80 cho.

Reset on a random is bet. Secs 7 & 18
 40.00 Set temporary 1/4 sec. cor.
 47.9 Inclined W. side of Dp. 10 tho N. of Cor.
 to Secs 7. 12. 18 & 18. as heretofore described
 Thenew S. line
 489° 0' 5" E. on a true line bet. Secs 7 & 18
 Ascend in aspen brush.
 7.90 Set a trachyte 16 x 14 x 5 ins. 11 ins. in the
 ground for 1/4 sec. cor. marked 1/4 on W.
 face; and raised a mound of stones;
 base. 1 1/2 ft. high. N. of Cor. *Picea sitchensis*
 17.90 Ridge. bears N. E. Divide bet. Lewis &
 Grass Valleys. descend in aspen & spruce
 47.90 The cor. to Secs 7. 8. 17 & 18 ^{Land broken. Soil. rocky &c &c} timber, aspen and spruce,
^{mountainous land 47.80 cho} Sift. 10" I set off 4° 38' N. on the decl. arc,
 and at 12 1/2 m. l. m. t. observe the sun on
 the meridian the resulting lat. is 38° 29' N

40° 0' 0" N. bet. Secs 7 & 18.

Ascend gradually in aspens.

13.50 Head of gulch. course S. E. ascend 300 ft.
 29.00 Ridge, bears N. E. & S. W. Divide bet. Lewis
 & Grass Valleys. descend.
 29.60 Enter Spruce.

38.00 Ravine. course W. ascend.

40.00 Set a trachyte 15 x 10 x 5 ins. 10 ins. in the
 ground for 1/4 sec. cor. marked 1/4 on W. face,
 from which

On aspen 10 ins. in diam. bears N. 64° E. 22 lbs
 dist: marked 1/4 S. B. T.

On aspen 14 ins. in diam. bears S. 36° E. 55'
 18 lbs dist: marked 1/4 S. B. T.

57.00 Point of ridge. bears N. E. & S. W. descend
 300 ft. along W. slope

Subdivisions of C. & G. S. R. R. W. Continued.

- 71.00 Head of ravine, course S. W. ascend
76.00 Leans timber.
- 80.00 Ridge. bears E. $\frac{1}{2}$ N. Set a trachy to 18×10
 $\times 9$ ins. 12 ins. in the ground for cor. to
secs 5. 6. 7 & 8. marked 3 notches on S.
T.C. edges; and raised a mound of stones
2 ft. bas. $1\frac{1}{2}$ ft. high. W. of Cor. Pits
unpracticable
Land, broken.
Soil. Rocky $\frac{1}{2}$ m. slate.
Timber. aspen & spruce,
mountainous land 80. chs.
- 189° 5' 2" E. on a random line bet. secs 5 & 8.
40.00 Set temporary $\frac{1}{4}$ sec. cor.
79.70 Intercept M. & S. line 5 lbs N. of cor. to secs 4. 5.
89° 9'.
Then I run
189° 5' 2" W. on a true line bet. secs 5 & 8.
Enter aspens. ascend.
20.70 Ridge. bears N. $\frac{1}{2}$ S. Divide bet. Swan & Grass
Valleys.
- 39.80 Set a trachy to $18 \times 12 \times 8$ ins. 12 ins. in the
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N.
face; and raised a mound of stones 2
bas. $1\frac{1}{2}$ ft. high. W. of Cor. Pits simple
no bearing trees within limits.
75.00 Arrived to top of ridge, bearing $189^{\circ} 5' 2"$.
79.70 The cor. to secs 5. 6. 7 & 8;
Land, rolling.
Soil. Rocky $\frac{1}{2}$ m. slate.
Timber. aspen & scattering spruce.
mountainous land 79.70 chs.
- 189° 5' 3" W. on a random line bet. secs 6 & 7.
40.00 Set temporary $\frac{1}{4}$ sec. cor.
47.40 Intercept N. side of M. at cor. to secs
1. 6. 7 & 8. as heretofore described
Then I run
189° 5' 3" E. on a true line bet. secs 6 & 7.
2nd in aspen and spruce.
8.00 Leans timber

Subdivision of C. S. J. R. Z. N. Continued.

7.25 Set a sandstone 16 x 12 x 7 ins. 11 ins. in the
d for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face
and raised a mound of stone 2 ft. base,
 $\frac{1}{2}$ ft. high. N. of cor. Pit impracticable

13.00 Enter timber

28.00 Point of ridge. bears S. descending

46.00 Leaves timber. on top of low ridge. bears N.W. E. E.

47.40 The cor. to Secs 5-6. $\frac{1}{2}$ ft. high.
and. broken.

Soil. Rocky & Gravelly.

Timber. Spruce & Aspen.

Mountainous land 47.40 chs.

48.00 S. on a random line bet. secs 5-6

49.00 Set temporary $\frac{1}{4}$ sec. Cor.

79.80 Intersect N. bdy. of Lf. 25 lbs E. of cor. to
secs 5. 6. 31 $\frac{1}{2}$ ft. as heretofore described
thence S. run

50.13 E. on a true line bet. secs 5-6.

Ascend in aspens & scattering spruce.

51.00 Ridge. bears E. & W. leave timber, enter aspen

52.80 Set a granite 15 x 15 x 11 ins. 10 ins. in the
for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face; and
raised a mound of stone 2 ft. base, $\frac{1}{2}$ ft.
high. N. of cor. Pit impracticable.

53.00 Running. course N. W. leave brush. incl. fl.

53.00 Ascending gradually to

54.00 Steeper ascent to

79.80 The cor. to Secs 5. 6. 7. $\frac{1}{2}$ ft.

Land. broken.

Soil. Rocky & Granular & Gravelly.

Timber. Aspen & Spruce.

Mountainous land 79.80 chs

September 10th 1897.

General Description.

This township is all mountainous,
unfit for agriculture. but mostly
covered with a luxuriant growth of
grasses, and well watered by springs

Subdivision of T. 27 S. R. 2. W. Continued.

and streams of pure, clear water, making it excellent for summer grazing.

The timber is mostly aspens and scattering spruce except on the eastern tier of sections, which are covered with scrub cedars & pines.

There are no settlers or improvements in the township, except a cabin and corral in the N.W.^{1/4} of Sec. 16. The owner could not be found.

There is no mineral found in the towns. Observations for latitude ^{approximate} were taken daily in this township whenever possible.

John C. Buckson
Homer McEarly,
U. S. Deputy Surveyors

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____ showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____ of the _____ meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 _____.



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John C. H. Smith, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from the United States Surveyor General for the State of Oregon, bearing date of 1891, day of July, 1891, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for the State of Oregon, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the State of Oregon which were required to be surveyed.

United States Deputy Surveyor

Subscribed by said _____, and worn to before me, this _____ day of _____, 189_____.

A circular seal impression with the word "SEAL" in the center.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Champaign Ill. March 13 1895
The foregoing field notes of the survey of ~~the~~ ^{the} ~~old~~ ^{old} ~~line~~ ^{line} ~~of~~ ^{of} ~~the~~ ^{the} ~~old~~ ^{old} ~~line~~ ^{line}
27th Range West of the Champaign River and
Burrard Plat.

executed by John T. Dickins & Company
under his contract No. 208, dated October 20th, 1896, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Jacob B. Blair
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

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BOOK A-249

No. 3. B.

FIELD NOTES

OF THE SURVEY OF THE

First Boundary of T. 26 S. R. 21 W.

of the Salt Lake Basal Meridian,
State of Utah.

AS SURVEYED BY

John J. Breckin & Homer M. Cott, United States Deputy Surveyors
under his Contract No. 208, dated October 20th, 1896

Survey commenced September 10th, 1897

Survey completed September 11th, 1897

6-181

W. Body high 3-00-00 ✓

NAMES AND DUTIES OF ASSISTANTS.

Alex Morrison Chancery

C. H. Morrison Chancery

Jessie Bell Alexander Handwork

To preliminary affidavits see page B

BOOK A-249

INDEX DIAGRAM.

Township 26, Range 2

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20	29	28	27	26	25
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PRELIMINARY OATHS OF ASSISTANTS.

WE, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

, Chainme

, Chainme

Subscribed and sworn to before me this }
day of , 189 }



WE, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

, Moundm

, Moundm

Subscribed and sworn to before me this }
day of , 189 }



WE, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of cor and other duties, according to instructions given us, to the best of our skill and ability, in the surve

Arm

Arm

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and t perform the duties of flagman according to instructions given me, to the best of my skill and ability, in survey of

, Flagm

Subscribed and sworn to before me this }
day of , 189 }



West boundary of T. 26. S. R. 3. W.

Survey Commenced Sept. 10th Executed
with single Mountain transit with
solar attachment.

I examine the adjustments of the
transit, and correct the civil and co-
lision errors; then to test the solar
apparatus, by comparing its indications
resulting from solar observations made
during A. M. & P. M. hours, with a true
meridian determined by observations on
Polaris. I proceed as follows;

At the Cor. to Rd. 26 & 27 S. R. 5 & 1/2 N.
which I established August 30th 1897.

Lat: 38° 30' N. Long. 112° 07' W. I set off
38° 30' N. on the lat. arc; 4° 34' N. on the decl.
arc; and at 4^h 45^m A. M. L. m. t. determine
with the solar, a true meridian, and mark
a point thereon a stone firmly set in
the ground. 5:00 chs. N. of the Cor.

At 8^h 25^m P. M. L. m. t. I observe Polaris,
at its eastern elongation, in accordance
with Manual of Instructions, and mark
a point in the line thus determined, on
a plug driven in the ground 5: chs. N. of
my station.

September 10 "1897

Sept. 11 - At 6^h 55^m A. M. L. m. t. I lay
off the azimuth of Polaris 1° 05' to the
west, and marks the true meridian thus
determined, by cutting a small groove
in the stone set off 10" on which the
true meridian falls 0.2 east of the mark
determined by the solar;

At 8^h 10^m 12 P. M. L. m. t. I set off 38° 30' N.
on the lat. arc; 4° 20' N. on the decl. arc;
and marks a point in the true meridian
determined with the solar, by a cross on
the stone already set off 5: chs. N. of my
station. This mark falls 0.2 m. east of
of the true meridian established by the
Polaris observation.

Nest boundaries of T. 26 S., R. 2 W.

Distance	The solar observations by P. M. & A. M. observations define positions of the meridians, respectively about $0^{\circ}11'$ West of $10^{\circ}11'$ East of the true meridian established by the Polaris observation. Therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian at $8^{\circ}20'$ N. is $W\ 15^{\circ}31' W$, the angle thus determined, reduced by the table, page 100, gives the mean decl. decl. $10^{\circ}28' E$.
	Hence I now mark it: sec 31 $\frac{1}{2}$ /36.
	Ascend over flat:
0.10	Road. bears $W. W \frac{1}{2} S. E.$.
3.30	Leave flat: enter timber.
20.00	Ridge 200 ft. above cor. bears $E \frac{1}{2} W$. descend
36.00	Head of Cañon. course W. ascend.
40.00	A spruce tree 4 ins. in diam. for $\frac{1}{4}$ sec. cor. I marked $\frac{1}{4}$ S. on W. face; from which an aspen 8 ins. in diam. bears $W 70^{\circ} E 20$ lks. dist. marked $\frac{1}{4}$ S. B. T.
	An aspen 12 ins. in diam. bears $S 38^{\circ} 30' E. 20$ lks. dist. marked $\frac{1}{4}$ S. B. T.
43.45	Road. bears $E \frac{1}{2} W$.
50.00	Ridge. bears $E. \frac{1}{2} W$. descend.
65.80	Cañon. course W. Road. bears $E \frac{1}{2} W$.
66.65	Dry Cañon creek 2 lks. aside flows W. leave timber
68.10	Road. bears $E \frac{1}{2} W$.
69.00	Enter aspens. ascend.
80.00	Set a brachy tr $14 \times 10 \times 8$ ins. 9 ins. in the ground for cor. to sec 25. 30-31 $\frac{1}{2}$ /36. marked 1 notch on S. $\frac{1}{2}$ notches on N. edges; from which an aspen 6 ins. in diam bears $W 61^{\circ} E 14$ lks dist. marked T. 26. S. R. 2. W. S. 30. B. T.
	An aspen 6 ins. in diam bears $S 60^{\circ} 30' E 14$ lks dist. marked T. 26. S. R. 2. W. S. 31. B. T.
	No other bearing trees available.
	Land. broken
	Soil. Rocky & sandy. 4" $\frac{1}{2}$ " sat.

West Boundary of D. 26. S. R. 2. 97. Continued

Chains	Timber, Aspen & Spruce. Mountainous land 80 chs.
	North lot. Sec 20 & 50 Ascend in aspens.
8.00	Ridge. Bear N.E. 1/4 S. W. Second
25.00	Creek 2 chs wide flows E.W. in gulch comes S.W. ascend. in aspens.
31.10	Creek 2 chs wide. comes S.W.
36.70	Small creek. 2 chs wide flows S.E.
38.00	Enter aspens.
40.00	Set a trachyte 10x10x7 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on S.E. face; from which
	On aspen 10 ins. in diam. bears N.W. 8° 45' N. 70° E. dist. marked 1/4 S. B. T.
	On aspen 9 ins. in diam. bears N.W. 5° 15' E. 21° dist. marked 1/4 S. B. T.
53.00	Rocky ridge. bears N.E. 1/4 S. W. Second 275 ft. in burnt timber.
72.75	Road. bears E. & N.
75.00	Hollow. comes S. W. ascend. leave timber
80.00	Set a trachyte 20x15x12 ins. 15 ins in the ground for Cor. to Sec 19. 24. 25 & 50. marked 2 notches on S. & 4 notches on N. edges; and raised a mound of stone 2 ft. base. 1 ft. high. N. of Cor. Pile impracticable. Land. broken.
	Soil. Rocky. 4 ft. also, Timber. Aspen & Spruce. Mountainous land 80 chs.
	North lot. Sec 19 & 24. Ascend toward Monroe peak. in scattering Spruce & aspens.
40.00	Set a trachyte 10x10x7 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N.E., and raised a mound of stone 2 ft. base. 1 ft. high. N. of Cor. Pile impracticable.
50.00	Set a trachyte 10x10x7 ins. 10 ins. in the ground for Cor. to Sec 19. 24. 25 & 50. marked

Prec. Boundary of C. & G. S. V. P. 2 W. Continued.

From	From Gneissic and W. S. C. rocks; and several masses of stones, 2 ft. broad, 1½ ft. high. W. of Cor. Site impracticable. Land broken. Soil rocky & sterile. Timber - scattering spruce & aspen. Mountainous land 80 chs.
	September 11 th 1897 It is impossible to continue this line farther west, on account of high, rugged mountains, forest.

C. E. F. Jackson
John McCarty
C. J. DeMolay Surveyors.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____, showing the respective capacities in which they acted:

_____, *Chainman*.

_____, *Chainman*.

_____, *Moundman*.

_____, *Moundman*.

_____, *Axman*.

_____, *Axman*.

_____, *Flagman*.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____, of the _____, meridian, _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____.

_____, *Chainman*.

_____, *Chainman*.

_____, *Moundman*.

_____, *Moundman*.

_____, *Axman*.

_____, *Axman*.

_____, *Flagman*.

I subscribed and sworn to before me this _____, 189 _____



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

_____ of the _____
_____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189_____. }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Ut, March 13, 1899

The foregoing field notes of the survey of *the West Boundary of Township
2 South Range 2 West of the Salt Lake Base Line
Meridian, Utah*

executed by *John C. Breckinridge, Surveyor*,
under ~~my~~ contract No. 200, dated October 20th, 1896, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Face 6777

United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____ has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-249

J.W.J.B.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision of T. 26. S. P. 2. M.

of the Salt Lake Baseline Meridian,
State of Utah.

AS SURVEYED BY

John J. Buckson & Thomas H. Early, United States Deputy Surveyors,
under their Contract No. 208, dated October 20th, 1896

Survey commenced Sept. 11th, 1897

Survey completed Sept. 18th, 1897

6-161

Sub-(right) 52-04-90 ✓
Closing 26-20 ✓

NAMES AND DUTIES OF ASSISTANTS.

Alex. Morrison Chairman

C. G. Garrison Chairman

Thomas Ballis Freeman & Groundman

Joseph Johnson Chairman

Chas Johnson Chairman

Joseph Zollig Freeman & Groundman

In preliminary affidavits see book C-

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Volume

#

R0249

BOOK A-249

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PRELIMINARY OATHS OF ASSISTANTS.

(447)

② Subs -
T 26.5 R. 217 -

A-249

Length
m. chs. chs. chs.
1-00-00 ✓

1-00-00 ✓

1-00-00 ✓

79-98 ✓

1-00-00 ✓

79-80 ✓

1-00-00 ✓

1-00-00 ✓

1-00-00 ✓

1-00-10 ✓

74-70 ✓

1-00-00 ✓

1-00-04 ✓

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79-96 ✓

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79-90 ✓

75-15 ✓

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75-10 ✓

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79-90 ✓

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79-94 ✓

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40.00 ✓

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79-90 ✓

47.00 ✓

1-00-00 ✓

79-70 ✓

46-90 ✓

1-00-00 ✓

79.88 ✓

46-71 ✓

1-00-00 ✓

1-00-00 ✓

40-00 ✓

52-04-90 ✓

✓ 125

8.50 ✓

8.80 ✓

8.90 ✓

26-20 ✓

144

80 | 1264 (17)

564
560
4

14 12-5

9

Solar observations of Oct. 11th. 1877. W.

Chrono.

Survey commenced Oct. 11th 1877 and executed with a Gurley Mountain transit & Gurley Surveyor's transit, each with solar attachment.

I examine the adjustments of Surveyor transit, and correct the level and collimator errors, then to test the solar apparatus, by comparing its indications, resulting from solar observations made during A.M. & P.M. hours, with a true meridian determined by observations on Polaris. I proceed as follows.

At the cor. to sec'd 1.2.35 & 36. on S. side of sp. established by me August 30th Lat. 58° 50' N. Long. 112° 01' W. I set off 38° 50' N. on the lat. arc; 4° 12' N. on the decl. arc; and at 4^h 50^m P.M. L.m.t. determine with the solar a true meridian, and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of the cor.

At 8^h 31^m P.M. L.m.t. I observe Polaris at eastern elongation, in accordance with diagram of declinations, and mark a point in the true meridian determined on a plug driven in the ground 5 chs. N. of my station.

Oct. 11th 1877

Sec'd 12°. 28° 3' 50" A.M. L.m.t. I lay off the azimuth of Polaris, 1° 35' to the west. and mark the true meridian thus determined by cutting a small groove in the stone set Oct. 11th on which the true meridian falls 0.4 mts. west of the mark determined by the solar.

At 8^h 2^m A.M. L.m.t. I set off 38° 50' N. on the lat. arc; 3° 5' 58" N. on the decl. arc, and mark a point in the true meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station. This mark falls 0.2 mts. west of the true meridian established by the Polaris observation.

Observations of Oct. 26. 1872. M. C. T. Continued.

Chains
 The solar apparatus by Prof. Dr. A. von Humboldt's observations defines positions of two meridians, respectively about $0^{\circ} 21'$ east and $0^{\circ} 11'$ west of the meridian established by the Polaris observations. Therefore I conclude that the adjustments of the instrument are satisfactory.
 The magnetic bearing of the true meridian at $8^{\text{h}} 30^{\text{m}}$ A. M. is N $15^{\circ} 31' \text{ W}$. The angle thus determined, reduced by the table, page 100, gives the mean mag. decl. $15^{\circ} 38' \text{ E}$.

From the corner already described

I run

No. 01. N. R. sec. 35 S 66

Ascend 150 ft. to

8.00 Point of ridge, course S. W. descend 300 ft.

26.00 Gulch, course S. W. stream 2 lks. wide

flows S. W. ascend 200 ft. to

36.00 Ridge. bears E. E. W. descend.

39.00 Enter aspens

40.00 Set a trachyte 14 x 12 x 3 ins. 10 ons. in the ground for 1/4 sec. Cor. marked 1/4 on W. face from which

An aspen 8 ins. in diam. bears N $65^{\circ} 40' \text{ E}$

45 lks. dist. marked 1/4 S. B. T.

An aspen 8 ins. in diam. bears S $49^{\circ} 30' \text{ E}$

25 lks. dist. marked 1/4 S. B. T.

Gulch, course S. E. springs on live floor

S. E. ascend, leave aspens

Enter aspens

77.00 Top of ancient bears N. W. 2/1 S. E. descend.

80.00 Set a trachyte 20 x 12 x 10 ins. 15 ons. in the ground for cor. to sec. 25-26-35-3/36, marked 1 notch on S & E. edges, and raised a mound of stone 2 ft. base, 1 ft. high W. of cor. Its impracticable.

An aspen 8 ins. in diam. bears N 18° E

10 lks. dist. marked T. 26. S. R. 2. W. 8. 26 B. T.

An aspen 8 ins. in diam. bears S $15^{\circ} 47' 8'' \text{ W}$

dist. marked T. 26. S. R. 2. W. 5. 35 B. T.

Subdivision of T. 26 S. R. 3 W. Continued.

Chains	No other bearing trees within limits.
	Land, rolling.
	Soil, Gravelly & rocky, 3 rd rate.
	Timber, aspen.
	Mountainous land 80 chs.
89.52	On a random line bet. Secs 25 & 36.
40.00	Set temporary by sec. cor.
80.00	Intersect E. bdy. of Twp. 19th, cor. to sec 25. 30.51 1/3 of 36. height not described thence 8 mms
	West on a true line bet. Secs 25 & 36.
	Ascend gradually
23.50	Enter aspens.
24.50	Leave aspens.
25.00	Top of ascent bears N E S. descend
39.50	Gulch. course S. W. ascend.
40.00	Set a sandstone 16 x 10 x 8 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1 h. ft. high. N. of Cor. Pits intractable.
47.00	Point of ridge. falls S. descend.
58.00	Canyon course S. E. about 200 ft. deep.
58.50	Greenwich Creek. 3 chs wide. course S. E. ascend.
68.00	Point of ridge. course S. E. descend.
76.00	Gulch 20 ft. deep. course S. E. ascend to
80.00	The cor. to Secs 25, 26, 35 & 36.
	Land, rolling
	Soil, Gravelly & rocky, 3 rd rate.
	Timber, aspen.
	Mountainous land 80 chs.

	No. 0.1 W. Bet. Secs 25 & 26.
	descend on aspens.
1.00	Leave aspens.
3.00	Gulch. course S. E. ascend.
20.00	Enter aspens.
40.00	Set on iron stone 14 x 8 x 5 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on

Subdivision of 1961 R. 2. N. Cont.

Chains	W. face; from which One aspen 6 ins. in diam. bears $145^{\circ} 11' E$ 10 lbs dist. marked T. 26. S. R. 2. T. One aspen 7 ins. in diam. bears $155^{\circ} 17' S$ The dist. marked T. 26. S. R. 2. T.
50.00	Leave aspens.
52.00	Ridge. bears $9. 97. 3. 1. E.$ descend
57.50	Gulch course S. E. ascend.
72.00	Ridge. bears $9. 97. 3. 1. E.$ descend
80.00	Set a trachyte 30x20x11 ins. 12 ins. on the ground for cor. to secos 23. 24. 25. & 26. marked 2 notches on S. E. 1 notch on E. edges; from which One aspen 4 ins. in diam. bears $154^{\circ} 6' 20' W$ dist. marked T. 26. S. R. 2. T. 97. S. 24. R. T.
	One aspen 18 ins. in diam. bears $143^{\circ} E$ 12
	lbs. dist. marked T. 26. S. R. 2. T. 97. S. 25. R. T.
	One aspen 18 ins. in diam. bears $133^{\circ} W$
	18 lbs dist. marked T. 26. S. R. 2. T. 97. S. 26. R. T.
	One aspen 10 ins. in diam. bears $112^{\circ} W$
	23 lbs dist. marked T. 26. S. R. 2. T. 97. S. 23. R. T.
	Land. rolling.
	Soil. gravelly & rocky & scale.
	Timber. Aspen.
	Inconspicuous land 80 ch.

	East. on a random line bet. secis 24 & 25.
40.00	Set temporary 1/4 sec. cor.
79.98	Intersect. E. edge. of Lg. & lks. N. of Cor. to secos 19. 24. 25 & 30. huetofre described choice 3 and
	189.58 W. on a true line bet. secis 24 & 30
	Second gradually but aspens.
17.60	Leave aspens.
26.50	Ridge. bears $9. 97. 1.$ descend gradually
29.50	Rocky gulch 75 ft. deep 3 ch wide, same as. second.
39.99	Set a sandstone 18x14x6 ins. 12 ins. no the ground for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound of soil on E. face to fit high N. of cor. pole impracticable

8

Subdivision of V. Z. & T. L. Z. W. Cont'd.

Chains.	C. ridge bears N. E. S. descend in aspens.
63.50	Greenwich Common. course S. E. Creek 3 lbs. wide. flows S. E. ascend to
79.98	The cor. to Secs 23. 24. 25 & 26. Land, rolling. Soil. Rocky & gravel. Timber. aspen Mountainous land. 79.98 chs

Pos. 01 N. bel. Secs 23 & 24.	
	Enter aspens. descend gradually
2.00	Leave aspens. ascend gradually
5.00	Enter aspens.
17.00	Ridge. bears N. W. S. E. descend.
27.00	Gulch 200 ft. deep. course S. E. ascend.
37.00	Leave aspens.
40.00	Set. on Iron stone 18x12x4 ins. 12 ins. in the ground for 1/4 sec. Cor. marked 3/4 on N. face; and raised a mound of stone 2 ft. base. 1/2 ft. high. N. of Cor. File impracticable
42.50	Ridge. bears N. W. S. E.
45.00	descend.
47.00	Enter aspens. ascend
58.50	Road. bears E. N. W.
70.00	Leave aspens.
80.00	Set. a trachyte 18x12x8 ins. 12 ins. in the ground for 1/4 sec. to Secs 13. 14. 23 & 24. marked 3 notches on E. 1 notch on S. edge. and raised a mound of stone 2 ft. base. 1/2 ft. high. N. of Cor. File impracticable Land, rolling.
	Soil. Gravelly & rocky & gravel.
	Timber. aspens.
	Mountainous land 80 chs.
	at 1" 12" 18" 7"
	89°.58' E. on a random line bel. Secs 13 & 24
40.00	Set. temporary 3/4 sec. Cor.
79.80	Intersect E. side. of N. & S. L. of Cor. to Secs 13. 14. 19 & 24, heretofore described thence N. 1/2 mi.
	89°.56' W. on a true line bel. Secs 13 & 24.

S. S. Division of L. S. L. I. W. N. V. T. Extended.

0.00	Ascend 200 ft. over ridge.
8.00	Top of ridge ascend, ascend gradually
21.30	Road. bears N. W. E. S. E.
26.00	Ridge. bears E. W. E. Ascend gradually
39.90	Set a sandstone 16x12x10 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1 ft. high. N. of cor. pits impracticable.
42.00	Road of hollow. course S. ascend gradually
64.20	Point of ridge. bears E. W. E. descend
72.40	Enter gully; course S.
76.00	Sidewall 43 ft. wide. flows S.
78.50	Same gully; ascend to
- 79.80	The cor. to Secs 15. 14. 25 & 24. Road. timber.
	at 1st. turning & rocky, & scale. No timber.
	Mountainous land 79.80 chs.

No. 00 N. S. L. Secs 15 & 14.

7.00	Enter scattering regions. ascend
	Leave as above.
10.00	Gulch. course S. E.
28.00	Ridge. bear E. S. E. W. descend gradually
40.00	Set a brachyte 18x10x7 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1/2 ft. high. N. of cor. pits impracticable.
45.00	Road. bears E. W. E. S. E.
48.00	Enter aspens. ascend.
51.00	Ridge. bears E. W. W. descend.
61.00	Foot of descent; ascend 60 ft. to
67.50	Top of flat-ridge. bears E. W. W.
77.00	Descend 60 ft. leave timber.
80.00	Set a brachyte 20x8x6 ins. 15 ins. in the ground for cor. to Secs 11. 12. 13 & 14. marked 4 notches on S. and 1 notch on E. edges; and raised a mound of stone 2 ft. base, 1 ft. high. N. of cor. pits impracticable.
	A spruce 18 ins. in diam. bears S 74° W 145° Its dist. marked T. 26. R. 2. M. S. 14. 13. T.

Subdivisions of T. 26 S. R. 2. N.Y. Continued

name	
	On aspen 10 ins. in diam. bears $28^{\circ} 47'$.
164 chs. dist. marked T. 26 S. R. 2. N.Y. S. 11. E. T.	No other bearing trees within limits.
	Land, rolling.
	Soil. Rocky & gravelly & shale.
	Timber, aspen & spruce.
	Mountainous land 80 chs.
	<hr/>
40.00	$58^{\circ} 58' E.$ on a random line bet. dec 12 & 13. Set temporary $\frac{1}{4}$ sec. cor.
80.00	Intersect E. bdy. of L. 12 this side of cor. to Dec 11. 12. 13 & 14, (rectified & recircled) thence down
	$58^{\circ} 57' W.$ on a line line bet. dec 12 & 13.
	Ascend
1.00	Enter aspen brush.
8.00	South side of rocky. small 2 chs. in diam. descend.
11.50	Leave aspen brush, enter pine & spruce timber
10.00	Set a trachyte 18x16x10 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on the face; from which
	A spruce 10 ins. in diam. bears $127^{\circ} 5' E.$ 12 ins. dist. marked $\frac{1}{4}$ S. E. T.
	A spruce 10. ins. in diam. bears $51^{\circ} 8' E.$ the dist. marked $\frac{1}{4}$ S. E. T.
50.25	Fork of Chosharem Creek, 4 chs wide, flows S. W. Enter aspens. ascend.
53.30	Point of ridge. 30 ft. high. bears S. second
56.40	Fork of same Creek 4 chs wide, flows S. E. ascend.
73.50	Leave timber.
76.80	Road. bears N. W. $\frac{1}{4}$ E. E.
80.00	Ltr. cor. to Dec 11. 12. 13 & 14, Land. broken. Soil. Rocky & gravelly & shale. Timber, aspens, spruce & pine. Mountainous land 80 chs.

Sept. 15-1897. at 10 $\frac{1}{2}$ A.M. L.M.T. I set off $38^{\circ} 35' 4$ in the
distance; 3:31 N.W. the decl. arc. and determine a true meridian
2 solar at the Cor to Dec 11. 12. 13 & 14.

B. L. V. 1902 - Dec. 6-7, 1902.

Chain	6° 01' N. bet. dec 11 & 12.
3.10	Enter spruce, descending gradually. Road bears N. W. 87.1 E.
14.80	Diam. 4 ft. wide. bears S. E.
20.00	Enter aspens. ascend.
40.00	Set a trachyte 13 x 10 x 8 cm. 10 min. on the ground for 1/4 sec. Con. marked 1/4 on N. face and caused a cloud of snow & fl. basal 1 ft. fl. high. N. of Con. Pits impracticable for bearing true within limits.
65.50	Ridge. 600 ft. above dec. Con. bears N. 6 ° 31' E. N. T. enter spruce. descend.
80.00	Set a trachyte 18 x 16 x 12 cm. 12 min. on the ground for con. to dec 1. 2. 11 2/12 marked 6 matches on S. E. 1/4 match on E. edges, from which A spruce 8 min. in diam. bears N. 12° 10' E. 2 ft. dist. marked T. 2. C. S. R. 2. N. 5. 1. B. T. An aspen 10 min. in diam. bears S. 49° E. 30 ft. dist. marked T. 2. C. S. R. 2. N. 5. 1. B. T. A fir 12 min. in diam. bears S. 15° 57' E. 16 ft. dist. marked T. 2. 6. 5. 6. 2. 7. N. 5. 11. B. T. An aspen 6 min. in diam. bears N. 58° 43' E. 17 ft. dist. marked T. 2. 6. 5. 6. 2. 7. N. 5. 2. B. T. Road broken.
	Orch. rocky & gravelly & rocky.
	Timber, aspen & spruce.
	Hilly terrain.
	Dist. 15". At this con. I set off 3° 29' N. on the dec. arc; and at 12° N. 60' E. observe the sum. on the meridian, the resulting lat. is 58° 34' N.
10.00	58° 34' E. on a random line bet. dec 11 & 12.
50.10	5 ft. timberless 14 dec. Con. Inspected. C. body. of Ap. 21. Obs. 1. of con. to S. 1. 6. 7. 8 1/2. Meridian described since I ran.
12.00	West on a tree line bet. dec 11 & 12. Receded.
12.00	Asp. aspens.
7.00	Head of ravine. comes N. about asp.

Subdivision of S. 26. S. R. 2. N. Continued.

- below Sec. Cor. Creek 4 lks wide. flows S.
..... Ascend.
- 40.05 An aspen 8 ins. in diam. for $\frac{1}{4}$ Sec. Cor.
..... arched $\frac{1}{4}$ S. on W. side, from which
..... An aspen 10 ins. in diam. bears $S 2^{\circ} W 6^{\circ}$
..... dist. marked $\frac{1}{4}$ S. B.T.
..... An aspen 10 ins. in diam. bears $N 22^{\circ} W$
..... 9 lks. dist. marked $\frac{1}{4}$ S. B.T.
- 42.00 Ridge. bears N E. descend
- 52.00 Gulch. 200 ft. deep. comes S. ascend.
66.00 Ridge. bears N.E. & S.W. Enter spruce,
..... descend along N. slope to
- 70.10 The cor. to Secs 1, 2, 11 & 12.
Land. broken.
Soil. Granely & rocky, 3' slate,
Timber. Aspen & Spruce.
Mountainous land. 80-10 chs.
- No. 01 N.W. bel: Secs 1 & 2.
Enter aspen & spruce. descend 800 ft.
- 28.90 Creek 3 lks wide. flows W.
- 30.40 an timber. enter flat. sloping W.
- 39.00 Enter aspen & spruce.
- 40.00 Set a sandstone 14 x 12 x 10 ins. 10 ins. in
ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face;
from which
- An aspen 6 ins. in diam. bears $S 36^{\circ} 30' E. 35^{\circ}$
lks. dist. marked $\frac{1}{4}$ S. B.T.
- An spruce 12 ins. in diam. bears $S 81^{\circ} 20' W$
35 lks dist. marked $\frac{1}{4}$ S. B.T.
- 41.90 Creek 3 lks wide. flows W.
- 46.00Leave flat; ascend.
- 54.4 Creek 3 lks wide. flows S. W.
- 70.00 Ridge. 200 ft. high. bears E & W. desc.
- 74.70 Intersect 5th Standard Parallel S. at
8.50 chs West of the Standard Cor. to
Secs 35 & 36. which is a tachylite 8.11 x
7 ins. above ground. marked $\frac{1}{4}$ with
as described by the Surveyor General.
 $\frac{1}{4}$ at point of intersection set a
tachylite 16 x 10 x 8 ins. 11 ins. in the

Subdivisions of T. 26 S. R. 2. Vt. Continued

Cham.	ground for Canon. Corner to Sec's 1 & 2. marked C.C. on S. and 1 groove on E. 3/5 grooves on W. faces; from which A spruce 6 ins. in diam. bears S. 52° 50' E. 16 lks. dist. marked T. 26. S. R. 2. N. 5. 1. B. T. A spruce 6 ins. in diam. bears S. 34° 45' W. 6 lks. dist. marked T. 26. S. R. 2. N. 5. 2. B. T. Land. broken. Soil. Gravelly & rocky & id. slate. Timber. Aspen & Spruce. Mountainous Land 74. no cha.
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September 13rd 1894

Sept: 14. At 7:50th A. M. I. m. b. I set off $\frac{1}{2}$ mi. N.
on the lat. arc; 3° 12' N. on the decl. arc; and
determine a true meridian with the solar
at the cor. to Sec's 2. 3. 34 1/2 55' on S. side
of the township as hereinbefore described.

choice I ran

No: 01' N. S. Sec 34 1/2 55'.

Ascend.

16.00	Enter Canon.
23.00	Ridge. bears N. E. 2 1/2 W. descend along W. side of canon.
40.00	Set a trachyte 14x10x6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pts impracticable. No healing trees within limits.
66.00	Canon. course S. E. creek 3 lks. and flows. S. E. ascend 200 ft. to
73.00	Lip of N. side of canon. ascend gradually
79.25	Leave aspens.
80.00	Set a trachyte 14x12x10 ins. 10 ins. in the ground for cor. to Sec's 2. 6. 27. 34 1/2 55' on a shelf 1. notch on S. and 2 notches on E. edges; and raised a mound of stone 2 ft. base, 1 ft. high. N. of cor. An aspen 8 ins. in diam. bears S. 7° 45' B. 15' lks. dist. marked T. 26. 5. R. 2. N. 5. 34 1/2 55' T. An aspen 5 ins. in diam. bears S. 35° 7' E. lks. dist. marked T. 26. 5. R. 2. N. 5. 34. B. T. An aspen 6 ins. in diam. bears N. 68° 15' W. 72 lks. dist. marked T. 26. 5. R. 2. N. 5. 37 1/2 T.

Subdivisions of C. 26 of R.R. N. Continued.

Chains	No other bearing trees within limits. Land. rolling. Soil. Granular & rocky 5:1 ratio. Timber. Aspen. Mountainous land 80. chs.
89.52	On a random line bet. Secs - 16 & 35,
- 10.00	Set temporary 1/4 dec. cor.
80.04	Intersect. R. V. line 19th Cor. to Secs 20: 26.35 & 36, Hence I run
	West on a tree line bet. Secs 26 & 35,
	Ascend gradually.
6.00	Lft. of ascent. bears N. W. & S. E. descended
15.00	Ravine, course S. E. ascended.
17.50	Enter aspens.
30.50	Leave aspens.
40.02	Set a trachyte 14 x 8 x 4 mrs. 10 mrs. in the ground for 1/4 dec. cor. marked 1/4 on N. face and raised a mound of stones 2 ft. base, 1 1/2 ft. high. N. of cor. 1/4 in circumference
43.00	Enter aspens.
48.00	Ridge. bears N. W. and S. E. descend to
50.04	The cor. to Secs 26.27.34 & 35: Land. rolling. Soil. Granular & rocky. 5:1 ratio. Timber. Aspen. Mountainous land 80.04 chs.
50.01	N. bet. Secs 26 & 27.
	Ascend gradually
6.00	Enter aspens.
10.00	Set a trachyte 12 x 10 x 8 mrs. 8 mrs. in the ground for 1/4 dec. cor. marked 1/4 on N. face; from which
	On aspen 14 mrs. in diam. bears 6.27 & 0.08 dist. marked 1/4 S. E. T.
	On aspen 5 mrs. in diam. bears 6.15 & 0.10 dist. marked 1/4 S. E. T.

3rd Division of C. & G. S. R. R. W. Continued.

Chain 64.00	Ridge. bears E 81° N. descend gradually. Set on iron stone 20 x 14 x 3 ins. 16 ins. in the ground for cor. to Secs 22. 23. 26 & 27. marked 2 notches on E edges; from which a spruce 9 ins. in diam. bears N 3° E. 7 lbs. dist: marked 1. 26. S. R. 2. M. 1. 23. B. T.
80.00	A spruce 10 ins. in diam. bears S 80° E. 12 lbs. dist: marked 7. 26. S. R. 2. M. 1. 26. B. T.
	A spruce 10 ins. in diam. bears S 70° W 16 lbs. dist: marked 1. 26. S. R. 2. M. 1. 27. B. T.
	An aspen 10 ins. in diam. bears N 45° W 24 lbs. dist: marked 1. 26. S. R. 2. M. 1. 22. B. T.
	Ridge. rocky, 3 rd ratio. Timber. Aspen & Spruce Mountainous land 80. chs.

	East on a random line bet. Secs 23 & 26. det-temporary 1/4 sec. cor.
40.00	Intersect N. D. S. line at cor. to Secs 23. 24. 25 & 26.
	thence S run
	West on a true line bet. Secs 23 & 26. Entire aspens. ascend gradually. Leave aspens.
19.5.0	Entire aspens.
23.0.0	Leave aspens.
24.0.0	Leave aspens.
25.0.0	Ridge. 120 ft. high. bears N. W 34° E. descend
26.5.0	Entire aspens.
40.0.0	over a talus slope 16 x 12 x 7 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; from which
	An aspen 10 ins. in diam. bears N 30° E 32 lbs dist: marked 1/4 S. B. T.
	An asp. i.e. 10 ins. in diam. bears S 27° 10' W 32 lbs. dist: marked 1/4 S. B. T.
60.0.0	Gulch. course S. E. ascend to
80.0.0	The cor. to Secs 22. 23. 26 & 27. Ridge. rolling. Soil. Gravelly & rocky. 3 rd ratio. Timber. Aspen.

Subdivisions of C. 26. S. P. 2. W. Continued.

mountainous land 80. chs.

No. 01 Gr. set: Secs 22 & 23.

Entire spruce & aspen descend gradually
22.00 leave timber.

23.00 spring branches 2 lks. apart. in head of
ravine. course S.E. ascend.

30.50 Road. bears N.E. & S.W.

37.75 Entire spruce & aspen.

40.00 Set a limestone 16x10x8 ins. 11 ins. in the
round for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face,
from which

Dr. aspen 15 ins. in diam. bears $45^{\circ} E$

30 lks. dist: marked $\frac{1}{4}$ S. B. T.

Dr. aspen 16 ins. in diam. bears $80^{\circ} W$ 14
lks. dist: marked $\frac{1}{4}$ S. B. T.

59.80 Road. bears E & W.

61.00 Leave spruce, entire burned & fallen timber.
Divide betw. upper & lower valley.
on top of ascent, bears E & W. descend
gradually in small aspens.

- 80.00 Set a brachylo 18x10x8 ins. 12 ins. in the
d for cor. to Secs 14, 15, 22 & 23 marked
3 notches on S. and 2 notches on E. edges; and
raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft.
high. N. of cor. Plot impracticable.
Road. rolling.

Soil. Granular & rocky. & talus.

Timber. Spruce & aspens.

Mountainous land 80 chs.

East - on a random line bet: Secs 14 & 23.

40.00 Wt. temporary $\frac{1}{4}$ sec. cor.

80.10 Intersect G. B. & S. line at cor. to Secs 13, 14,
23 & 24.

Thence I run

West - on a line 4 ins. bet: Secs 14 & 23.

1:50. Entire aspens. ascend.

6.00 Leave aspens.

8.00 Ridge. bears N.E. & S.E. descend.

11.00 Entire flat: sloping S.E.

15.00 Leave flat: ascend.

Sub-division of C.R. & P.R. 97. Cont'd.

Chain.		Enter aspens.
27.00		Ridge. bears N.W. 1/4 S.E. lawn aspens descend.
30.00		Enter flat descending S.E.
33.00		
40.00		Set a trachyte 18x12x8 cm. 12 m. in the ground for 1/4 sec. Cor. marked 1/4 on W. face, and raised a mound of stones 2 ft. base 1/4 ft. high. H. of Cor. Site impracticable.
46.50		Lawn flat. Enter aspens E. slope ascend 80 ft. ^{Boulders. Superficial debris.}
50.00		Ridge. bears N.W. 1/4 S.E. thence over rolling ground
56.20		Trail. bears N.W. 1/4 S.E.
58.00		Lawn aspens enter fallen & burnt timber in small aspens.
60.10		The Cor. to Secs 14, 10, 22 & 23.
		Land. rolling.
		Soil. Gravelly & rocky, 3rd rate.
		Timber. Aspens & spruce.
		Vermilionous land. S.P. 10' cl. 6' At this point 45°-14°-18°-9°-10°-3°-6° m. on the decl. one, and at 12°-6° C.m.t. observe the sun on the meridian, the resulting lat. is 38°-53' N
		120°-01' W. decl. Secs 14 & 10.
		Descend gradually in small aspens and fallen burnt timber.
62.50		Lawn timber.
34.60		Head of ravine. course N. ascend.
39.00		Enter aspens.
40.00		Set a granite 18x16x14 cm. 12 m. in the ground for 1/4 sec. Cor. marked 1/4 on W. face; from which An aspen 12 m. in diam. bears N. 34° E., 18 lbs. decl. marked 1/4 S. 13. T.
		In aspens 12 m. in diam. bears N. 66°-30' W. 6 Mts.
		Trail: marked 1/4 S. 13. T.
48.00		Ridge. about 100 ft. high. bears E. 1/4 N. enter aspens. descend.
56.00		Lawn timber.
67.50		Ravine. course S. N. road. bears N. 8° E. 6 Mts. ascend.
73.70		Enter aspens & spruce.
80.00		Set a trachyte 20x10x6 cm. 15 m. in the ground for Cor. to Secs 10, 11, 14 & 15 marked switches on S. & N. switches on E. edges, from which An aspen 10 m. in diam. bears N. 50° E. 5 Mts. decl. marked 1/2 S. 13. T. 51. N. 13. T.

Subdivision of C. 26. S. R. 2. N. Continued.

Chains.

An aspen 10 ins. in diam. bears $850^{\circ} 30' 20$ E
dist: marked T. 26. S. R. 2. N. S. 14. B. T.
An aspen 6 ins. in diam. bears $850^{\circ} 30' 17$ 49 E
dist: marked T. 26. S. R. 2. N. S. 15. B. T.
An aspen 10 ins. in diam. bears $850^{\circ} 30' 17$ 24 E
dist: marked T. 26. S. R. 2. N. S. 10. B. T.
Land. rolling.
Soil. Gravelly & rocky, 3rd rate.
Timber. Aspens & Spruce.
Mountainous land 80. chs.

East on a random line bet. Secs 11 & 14.
Set temporary $\frac{1}{4}$ sec. cor.
79.96 Intersect N. E. S. line 23 chs S. of cor. to sec
11. 12. 13 $\frac{3}{4}$ 14.
Then a flat
 $89^{\circ} 50' W.$ on a true line bet. Secs 11 & 14.
Ascend gradually
Enter aspen & spruce
 $\frac{1}{4}$ of a mile bet. River & Grand Valley.
S. of ascent bears N. W. $\frac{1}{4}$ S. E. descend gradually
Set a trachyte 14 x 12 x 8 ins. 10 ins. in the
ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face;
from which
An aspen 10 ins. in diam bears $860^{\circ} W. 33$ chs
dist: marked $\frac{1}{4}$ S. B. T.
An aspen 12 ins in diam. bears $860^{\circ} - 30^{\circ} E. 15$
ch dist: marked $\frac{1}{4}$ S. B. T.
41.00 Leaves timber. Enter flat.
46.00 Road. bears N. W. $\frac{1}{4}$ S. E.
57.50 Road. bears N. W. $\frac{1}{4}$ S. E.
62.50 Same road. bears N. E. $\frac{1}{4}$ S. W.
68.00 Leaves flat. Enter aspen & spruce. ascend.
The Cor. to Secs 10. 11. 14 $\frac{3}{4}$ 15.
Land. rolling.
Soil. Gravelly & rocky. 3rd rate.
Timber. Aspens & Spruce.
Mountainous land 79.96 chs.

B. Wooddivision of T. 26. S. R. 2. W. Continued

Diam.	10° 01' W. bet. Secs. 10 & 11.
0.00	Enter action of spruce. Ascend gradually. Ridge 75 ft. high. bears E 3 W. descend gradually.
18.00	Leave timber.
22.00	Enter timber.
27.00	Leave timber.
35.00	Road. bears N. W. 4 S. E.
36.00	Gulch. course N. W. ascend. Enter timber.
40.00	Set a brachyle 20 x 14 x 8 in. 10 in. in the ground for 1/4 sec. cor. marked 1/4 N. face; from which an aspen 8 in. in diam. bears N 40° W. 67 lbs dist. marked 1/4 S. B. T.
52.00	An aspen 12 in. in diam. bears N 41° W. 53. lbs dist. marked 1/4 S. P. T.
53.00	Ridge 200 ft. high. bears E 3 W. descend
55.00	Enter flat: course E. Leave timber.
56.00	Road. bears E 3 W.
57.00	Leave flat. Enter timber, ascend.
78.00	Ridge. bears N. E. 3 S. W. ascend 70 ft. to
80.00	Set a brachyle 20 x 13 x 10 in. 15 in. in the ground for cor. to Secs. 2. 3. 10 & 11. cor. has 5 switches on S. and 3 switches on E. edges; from which an aspen 3 in. in diam. bears N 54° E. 41 lbs. dist. marked T. 26. S. R. 2. W. S. 2. B. T.
	An aspen 6 in. in diam. bears S. 1° E. 10 lbs dist. marked T. 26. S. R. 2. W. S. 11. B. T.
	An aspen 3 in. in diam. bears S 36° W. 20 lbs dist. marked T. 26. S. R. 2. W. S. 10. B. T.
	An aspen 4 in. in diam. bears N 65° W. 31 lbs dist. marked T. 26. S. R. 2. W. S. 3. B. T.
	Lodge. working.
	Cor. 1. Granitic E. of Rocky, 3rd elev.
	2 in. 1. Daphne E. of spruce.
	Heterogeneous land 80 chs.
	6. 8. 7. 5. 6. 6. on a random line bet. Secs. 2 & 11.
90.00	Set temporary 1/4 sec. cor.
79.90	Intersect N. E. S. line at cor. to Secs. 1. 2. 11, 12.
	Whence S. new
	889° 50' W. on a true line bet. Secs. 2 & 11.

Subdivisions of C. & G. S. P. R. R. Continued.

- name Enter aspen & spruce descend along R.
 14.00 Cross ridge. bears N. W. & S. E. descend
 37.95 Set-a. Granitic 20x12x9 ins. 15 ins. in the ground
 for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face; from which
 On aspen 9 ins. in diam. bears N. 51° E. 6°
 dist. marked $\frac{1}{4}$ S. B. T.
 aspen 10 ins. in diam. bears S. 11° E. 7° dist.
 marked $\frac{1}{4}$ S. B. T.
 52.50 Leave timber.
 61.98 Road. bears N. W. & S. E. in ravine.
 N. W. ascend.
 68.00 Enter aspen & spruce.
 79.90 She. cor. to Secs 2. 3. 10 & 11.
 land. rolling.
 Soil. Granitic & rocky & gravel.
 Timber. Aspen & Spruce
 Mountainous land. 79.90 cho.
-

No. 01' W. bet. Secs 2 & 5.

Enter aspen & spruce. descend.

- 7.00 Leave timber
 19.00 Enter flat
 19.75 Creek 6 lks wide. flows West. Fork of Moon
 Creek.
 20.00 Leave flat. Enter aspen ^{and spruce ascend}
 40.00 Set-a granitic 18x8x4 ins. 12 ins. in the
 round for $\frac{1}{4}$ sec. Cor. Marked $\frac{1}{4}$ on W. face;
 from which
 On aspen 4 ins. in diam. bears S. 34° E. 10 lks.
 dist. marked $\frac{1}{4}$ S. B. T.

- 48.00 Ridge 400 ft. above flat. bears E & W. descend
 71.00 Leave timber.

- 75.15 Intersect the Fifth Standard Parallel S. at
 8.8 chains West of the Standard Commt to Sec
 34 & 35. which is a trachyte 10x15x8 ins. above
 ground. marked ^{it} witnessed as described
 by the Surveyor General. And at point of
 intersection Set-a Granitic 14x11x5 ins. 10 ins.
 the ground. marked C. C. on it with 2

Subdivision of C. L. S. J. No. 2. (N. Cont'd.)

3.00	grooves on E. & 1/4 grooves on W. faces; and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. It's impracticable.
3.00	2 pines 12 in. in diam. bears N. 37° 40' W. 170° N. dist. marked T. 26. S. R. 2. W. S. 3. B. T.
	No other bearing trees within mile.
	Land: rolling.
	Soil: gravelly, 3' banks.
	Trees: Spruce, A. firs.
	Wood: various trees 75, 15, 35.
	September 14" 1897.

September 15." At 8^h A.M. I m. t. I set off 38° 30' N. the lat. arc; 2° 48' N. on the decl. arc, and determine a true meridian with the solar, at the cor. to dec 2. 3. 33 & 34. on S. edge of the township.

Hence I run

310° 02' W. Ret. dec 33 & 34.

E. is aspen. ascend.

26.00 Turn aspens.

40.00 Set a granite 14x14x10 in. 10 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1 ft. high. N. of cor. It's impracticable.

43.50 Ridge. bears N. W. 34° 8'. enter aspen and spruce. descend.

52.90 Road in gulch. course S. E. ascend

53.00 Point of ridge. bears E. E. descend.

58.00 Set a timber to 16x10x6 in. 11 in. in the ground for cor. to dec 2. 3. 23. 33 & 34. marked 1/4. old, on S. & S. matches on E. edge cor; from which 2 in. aspen 8 in. in diam. bears N. 18° 40' E. 41' N. dist. marked T. 26. S. R. 2. W. S. 24. B. T.

2 spruce 10 in. in diam. bears S. 37° 30' E. 12 B. dist. marked T. 26. S. R. 2. W. S. 3. B. T.

2 spruce 10 in. in diam. bears S. 86° 40' W. 18 B. dist. marked T. 26. S. R. 2. W. S. 3. B. T.

2 spruce 10 in. in diam. bears N. 40° 30' W. 59' N. dist. marked T. 26. S. R. 2. W. S. 28. B. T.

Land: rolling.

Observations of Ch. 26. S. Hill. W. Continued.

Chains	Soil. Rocky, 4 th mile. Timber. Cypress & Spruce. Mountainous land. 80 chs.
40.00	88.52' Eas a random line bet. Secs 27 & 34 Set temporary 1/4 sec. cor. S. of Intersection R.R. & C. line 1/4 sec. to Secs 26, 27 34 & 35;
	thence S. run West on a true line bet. Secs 27 & 34.
0.75	Descend gradually Enter aspens.
10.00	Top of steep descent
16.00	Canyon, course S. E. ascend
27.00	Leave aspens.
40.00	Set a trachy to 20 x 10 x 4 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1/2 ft. high. W. of Cor. Pts. impracticable. Leave ridge. bears N. W. of S. E. descend.
45.70	Canyon, course S. Creek & the mds. flows S. Enter aspens & spruce. ascend 40 ft. to
50.10	The cor. to Secs 27, 28, 33 & 34. Ridge. bears N.
	Soil. Gravelly & rocky. 3 rd mile. Timber. Cypress & spruce. Mountainous land 80.10 chs.
50.02' W. bet. Secs 27 & 28.	
51.00	Enter aspens & spruce. descend 200 ft. to Gulch. course E. ascend 80 ft. to
51.50	Point of ridge. falls E. descend 200 ft. to
52.40	Canyon. course S. E. Creek & the mds. fl. S. E. Leave timber. ascend.
54.00	Set a trachy to 16 x 12 x 8 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base 1/2 ft. high. W. of Cor. Pts. impracticable.
55.00	Point of ridge. falls N. descend.
58.00	Enter flat; descends N.
58.00	Leave flat; ascend.

BIOGRAPHY OF C. H. L. K. M. CONTINUED

Cham.	
75.00	Lop. of ridge w. several grassy patches. bears $63^{\circ} N. 117^{\circ} E.$ enter spruce.
80.00	Set. a trachyte 1.8x1.8x.8 cms. 12.0 ms. on the ground for Cor. to Secs 21, 22, 27 & 28. marked 2 notches on S. & 3 notches on E. edge of ground which
	A spruce 1.0 cms. in diam. bears $125^{\circ} 20' E. 32'$
	This dist. marked T. 26. S. R. 2. M. 622 B.T.
	A spruce 1.0 cms. in diam. bears $143^{\circ} 8' 15''$ This dist. marked T. 26. S. R. 2. M. 5. 27. B.T.
	A spruce 1.0 ms. in diam. bears $140^{\circ} 11' 5''$ This dist. marked T. 26. S. R. 2. M. 5. 28. B.T.
	A spruce 8 ms. in diam. bears $132^{\circ} 10' M. 42'$
	This dist. marked T. 26. S. R. 2. M. 5. 21. B.T.
	Land, broken.
	Soil. Gravelly & rocky, 3 rd rate.
	Spruce, Aspen & Spruce.
	Mountainous land 80. chs.

10.00	East on a random line bet. Secs 22 & 27.
80.04	Set. temporary 1/4 sec. Cor.
	Intersection of 1/4 line & 5 lbs M. of Cor. to
	Secs 22, 23, 26 & 27.
	Woods & trees.
	$1789^{\circ} E. 58' W.$ on a true line bet. Secs 22 & 27.
	Enter aspens ascend.
15.00	Ridge. bears $9. E. S. W.$ Divide set. Seven and Grass. Valley. descend.
23.00	Head of ravine. course N. ascend.
40.02	Set. a trachyte 1.8x1.6x.8 cms. 12.0 ms. on the ground for 1/4 sec. Cor. marked 1/4.0 ms. N. face from which
	In aspens 6 ms., bears $9. 61^{\circ} E. 12' 1/4$ chs. dist. marked 1/4. S. B. T.
	Out aspens 8 ms. in diam. bears $161^{\circ} 20' E.$
75.00	1.8 lbs. dist. marked 1/4. S. B. T. Divide bet. Seven & Grass Valley.
80.04	Lop. of ridge, bears $97^{\circ} E. 11^{\circ} E.$ enter spruce.
	The Cor. to Secs 21, 22, 27 & 28.
	Land. Rolling.
	Soil. Gravelly & rocky, 3 rd rate.
	Spruce, aspen & spruce.
	Mountainous land 80. 04 chs.

Subdivisions of S. 26. S. F. 2. W. Continued.

- 1.00 Diam. 10°:02' N. Lat. Sec. 21 1/2.
 Enter spruce & aspens.
 2.50 Ascend.
 7.00Leave timber.
 9.15 Road. bears E. 3/4 N.
 10.60 Spring branch 3 lbs wide. flows E. in head of
 ravine. course E. enter aspen & spruce area
 23.00 Point of ridge. 100 ft. high. bears E 3/4 N.
 descend.
 30.00Leave spruce. enter fallen burnt timber &
 small aspens.
 40.00 Set a granite 16 x 12 x 8 ins. 11 ins. in the
 round. for 1/4 sec. Cor. marked 1/4 on N. face,
 and raised a mound of stone 2 ft. base, 1 ft.
 high. N. of cor. Pits impracticable
 No bearing trees within limits.
 47.00 Fork of Monroe Canon. course E. Creek 6
 lbs wide. flows E. ascend 100 ft. to
 49.00 Ridge. bears E 3/4 N. descend gradually.
 55.00 Head of hollow. course E. ascend gradually
 63.00 Point of ridge. bears E. leave fallen timber
 enter spruce & aspens. descend gradually.
 70.00 Set a trachyte 18 x 14 x 10 ins. 12 ins. in the
 round for cor. to Secs 10, 16, 21, 1/2, marked
 26. S. on N. E. end
 2. W. on S. E. faces; with 3 mounds on S. E.
 edges; from which
 An aspen 12 ins. in diam. bears N 39°:15' E 47 lbs
 dist: marked T. 26. S. R. 2. W. 5. 16. B.T.
 An aspen 18 ins. in diam. bears S 75° E 56 lbs
 dist: marked T. 26. S. R. 2. W. 5. 22. B.T.
 A. spruce 8 ins. in diam. bears S 62°:15' W 16
 lbs dist: marked T. 26. S. R. 2. W. 5. 21. B.T.
 An aspen 18 ins. in diam. bears N 20°:30' W 8
 lbs dist: marked T. 26. S. R. 2. W. 5. 16. B.T.
 Land. broken.
 Soil. Rocky. 4th calc.
 Timber. Aspen & spruce.
 Mountainous land 80 lbs.

Subdivision of W. 1/4 S. 1/4 sec. 14
Continued

Chain	159° 58' E. on a random line bet. Secs 15 & 16.
40.00	Set compass for Sec. cor.
80.16	Intersect N. E. S. line 5 rods N. of Cor. to Secs 14 15. 16. 21. 22. 23.
	Trace of run.
	W. 89° 56' N. on a true line bet. Secs 15 & 22.
	Ascend gradually on small aspens and fallen burnt timber.
0.40	Enter spruce, leave burnt timber.
10.00	Leave spruce.
13.00	Ridge, bears N. E. S. E. enter spruce, descend 300 ft. to
20.00	Leave timber.
21.00	Fork of Monroe Canon, course N. Creek 5 rods wide. flows N.
23.00	Ascend.
27.00	Enter aspens & spruce.
35.00	Leave spruce. Enter fallen burnt timber.
40.08	Set a boulders 1.8 x 1.6 x 4 rods. 12 rods. on the ground for 1/4 sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Site impracticable. No hill large enough for bearing trees.
49.00	Point of ridge. Leave to descend.
54.90	Head of ravine. Course N. E. ascend gradually.
58.00	Streams 2 rods wide. flows N. E. steep and steep. fallen timber. Enter spruce & aspen
70.00	Leave Cor. to Secs 15, 16, 21, 22.
- 80.16	Land. Broken.
	Soil. Gravelly & rocky. 3-4 rods.
	Timber. Aspens & spruce.
	Magnificent land of 80.16 rods. Sept. 15. at this Cor. I set off 2.43 rods on the decl. side and at 52 ft. the line to observe the sun as the midday thinnest at 11:55:55.
10.02	W. 02' W. bet. Secs 15 & 16.
	Enter spruce & aspen, descend gradually.
3.00	Enter fallen burnt timber.
23.00	Head of ravine. course N. E. ascend.
34.80	Point of ridge 100 ft. high. Bear E. descend
36.00	Set a backy in 14 x 12 x 6 rods. 10 rods on the ground for 1/4 sec. Cor. marked 1/4 on N. face, from which a spruce tree on drain. bears N. E. 8 rods.

Sub-division of S. 26. S. R. 2. N. Continued.

Diamos	dist: marked 14.5. B. T. A spruce 6 ins. in diam. bears N. 80° W. 20 ft. dist: marked 14.5. B. T.
47.00	Bend of Canon. comes N. E. from S. E. ascend
59.00	Point of ridge 100 ft. high. bears N. E. E. S. W. descend.
80.00	Set - a biaxyle 20x10x6 ins. 15 ins. in the ground, for Con. to Lcd 9. 10. 15. 16. marked 4 notches on S. and 3 notches on E. edges; from which An aspen 10 ins. in diam. bears N. 34° E. 36 ft. dist: marked 7. 2. 6. 5. 1. 2. W. 3. 10. 13. T. An aspen 12 ins. in diam. bears N. 36° E. 20 ft. dist: marked 1. 2. 6. 5. 1. 2. W. 3. 10. 13. T. An aspen 10 ins. in diam. bears N. 48° W. 37 ft. dist: marked 1. 2. 6. 5. 1. 2. W. 3. 10. 13. T. An aspen 10 ins. in diam. bears N. 47° W. 27 ft. dist: marked 1. 2. 6. 5. 1. 2. W. 3. 1. 3. 1. End. broken. Oak. rocky. 4 to 6 ft. Larch. 2 ft. high & spruce. Glossy birch 10 ins. 80 ft.

	N. 81° 0' E. - a spruce 6 ins. in diam. bears 10. 11. 15.
40.00	Set - spruce. 4 dec. Con.
80.10	Intersect P. F. A. 1 mi. S. of the N. of con. to Lcd 10. 11. 14. 15.
	Whence I run N. 84° 08' E. on a line 1 mi. dist: Lcd 10. 11. 15. Enter aspen & spruce. descend gradually.
40.05	Set - a Granite 20x10x4 ins. 15 ins. in the ground. for 14 dec. Con. marked 1/4 on W. face; from which
	An aspen 5 ins. in diam. bears N. 10° E. 5 ft. dist: marked 14. 5. B. T.
	An aspen 6 ins. in diam. bears N. 80° W. 25 ft. dist: marked 14. 5. B. T.
58.00	Ledge of bluff. 25 ft. high. descended 15 ft.
60.00	Fork of Monroe Canon. comes N. W.
62.10	Creek, 9 ft. wide, flows N. W. ascend
67.75	Point of ridge, 100 ft. high. falls N. descend

Subdivisions of Oct. 26 & Nov. 2 Mr. Continued

Chans		
71.20	Ravine. Course N. W. creek 3 miles flows N. W.	
72.50	Ascend 100 ft. to	
80.10	The cor. to Secs 9, 10, 15-3 E 1/4. Land. broken. Soil. Rocky. 4 th ratio. Timber. Aspen & Spruce. Mountainous land 80.10 chas.	
80.02	W. of R. Bel. Secs 9 & E 1/4.	
9.00	Enter aspen & Spruce. descend 200 ft. to Mouth of Grizzly Canon. Creek 10 chas miles flows N. from S.	
35.00	Begin cut. flows N.W.	
38.00	Leave Canon. course N. W. leaving timber, ascend	
40.00	Set a granite 16 x 12 x 6 ins. 11 ins. on the ground for 1/4 sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1/2 ft. high. N. of Cor. Pit impracticable.	
68.00	Ridge. Bear N. W. Ed. S. E. about 400 ft. above creek. descend	
80.00	Set a granite 24 x 10 x 8 ins. 1.8 ins. on the ground for Cor. to secs 3, 21, 9 E 1/4. marked 5 notches on S. and 3 notches on E. edges, and raised a mound of stone 2 ft. base, 1/2 ft. high. N. of Cor. Pit impracticable.	
	Land. broken.	
	Soil. Rocky. 4 th ratio.	
	Timber. Aspen & Spruce.	
	Mountainous land 80. chas.	
	S 89° 5' - 8° C. on a random line bet. Secs 3 & 10.	
40.00	Set temporary 1/4 sec. Cor.	
80.02	Intersect N. S. line. S. the S. of Cor to Secs 2, 3, 10 E 1/4	
	There I am	
	West - on a true line bet. Secs 3 & 10.	
	Enter of fallen burnt timber & small aspens	
	descend.	
5.00	Small gulch. course N. W. ascend	
14.00	Ridge. Bear N. E. S. descend	
14.02	Set a trachyte 20 x 12 x 12 ins. 1.5 ins. on the	

Subdivisions of S. 26. S. R. 2. W. Continued.

	ground for $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ on N. face; from which
	An aspen 8 mos. in diam. bears $145^{\circ} 35' E.$ 50 lbs dist. marked $\frac{1}{4}$ S. B. T.
	An aspen 8 mos. in diam. bears $148^{\circ} E.$ 40. lbs dist. marked $\frac{1}{4}$ S. B. T.
42.50	Road. bears N. E. S.
58.00	Leave timber.
79.00	Top of bluff 100 ft. high. descend to
80.04	The cor. to Secs 3. 4. 9 & 10. Land broken. Soil. Granitic & rocky 3 $\frac{1}{2}$ miles. Timber. Aspens & spruce. Mountainous land 80.04 chs.

	$160^{\circ} 02' W.$ Det: Secs 3 & 4, in true line descend 100 ft. to
2.75	Lower Canon, course S. W. Creek 10 lbs milo. 5 mos. deep. flows S. W. ascend
25.00	Top of ridge. 300 ft. above creek. bears S. E. descend.
27.00	Enter flat. descending E.
29.00	Leave flat. ascend
40.00	Set a granite 20 x 9 x 8 mos. 15 mos. in the ground for $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ on N. face, and raised a mound of stone 2 ft. bases 1 ft. high. N. of cor. pilo impracticable
50.00	Ridge 200 ft. high. bears N. E. & N. descend Enter aspens & spruce.
62.75	Corridor, course S. W. Creek 3 lbs milo flows S. W.
64.50	Leave timber, ascend,
75.10	Intersect the Fifth Standard Parallel. S. at 8.90 chs. W. of the Standard Corner to Secs 3 & 4 which is a trachyte 6 x 12 x 9 mos. above ground marked & witnessed as described by the Surveyor General. At point of intersection Set a Granite 18 x 14 x 6 mos. 12 mos. in the ground Closing Cor. to Secs 3 & 4, marked C.C. on S. with 3 grooves on E. & N. faces; and raise a mound of stone 2 ft. base. 1 ft. high. of cor. pilo impracticable.

Subdivisions of Sect. 16 & T. 3 N. Continued

Chains	Land. broken. Soil. Gravelly & rocky, 3" strata. Timber. Aspens & Spruce. Mountainous land 75-100 chs.
	September 15 th 1897.
	September 16 th . At 8 ^h 05 ^m A. M. Com'd. I set off 58° 30' N. from the lat. arc; 2° 25' W. on the declination and determine a true meridian with the solar. at the cor. to Secs. 28, 29, 32 & 33. on body of th. merid. desired Then I run N. 0° 0' 0" W. dist. Secs. 32 & 33. Enter Aspens. ascend 60 ft. to Ridge. bears E. E. W. descend 500 ft. to Ravine. course E. ascend. Set a brachyli 12x10x8 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; from which On aspen 12 ins. in diam. bears N. 10° E. 6 lbs dist. marked 1/4 S. B. T. On ridge bearing E. E. W. descend. Creek 6 lbs. wide. flows S. E. in canon. course S. E. ascend. Leave timber. Set a brachyli 18x12x8 ins. 12 ins. in the ground for cor. to Secs. 28, 29, 32 & 33. marked 1 mole on S. 1/4 inches on E. edges; and raised a mound of stone 2 ft. base 1/2 ft. high. N. of cor. Pile vulnerable. On point of ridge. bear. S. W. A pine 27 ins. in diam. bears N. 04° 30' E. 66 lbs dist. marked T. S. E. S. R. E. W. S. 28. B. T. On other bearing trees within limits. Land. broken. Soil. Rocky & stony. Timber. Aspens. Mountainous land 80 chs.
14.00	58° 52' E. in a random line. Dist. Secs. 28 & 33 4.5 ins. from cor. 1/4 sec. cor.

Subdivisions of T. 26. S. 1. 2. W. Continued.

77.80	Intersect R. & S. line 39 lbs. & of cor. to Secs.
77.28.53	9/104, thence I run.
	\$89.51' H.T. on a true line bet. secs 28 & 30.
	Enter aspen & spruce ascend.
7.85	Ridge. bears N. W. 3/4 S. E.
32.00	Ridge. 200 ft. above Sec. Cor. bears N. E. descend.
39.95	Set - a granite 16 x 10 x 6 in. 11 in. in the ground For 1/4 sec. cor. marked 1/4 on N. face, from which An aspen 6 in. in diam. bears $28^{\circ} 30' \text{ H.T.}$ Dist: marked 1/4 S. B. T.
	An aspen 6 in. in diam. bears $28^{\circ} 30' \text{ H.T.}$ marked 1/4 S. B. T.
53.00	- of bluffs. descend 400 ft. to
60.00	Canyon. course S. W. leave timber.
60.80	Creek 5' lbs wide. flows S. W. ascend.
62.00	Enter aspen & spruce.
76.00	Leave timber
79.90	The cor. to Secs 28-29-32 9/104, and. brown.
	Soil. Granular & rocky 3-4 in. Timber. aspen & spruce. Inconspicuous land 78-80 chs.

10.50 11.1. bet. Secs 28 & 29.

Ascend.

0.50	Enter aspen & spruce.
1.00	Point of ridge. falls S. W. descend.
3.00	Gulch 30 ft. deep. course S. W. ascend.
7.50	Enter fallen burnt timber.
29.00	Ridge. bears E. & W. descend gradually.
40.00	Set - a trachyte b. 18 x 16 x 5 in. 12 in. in dia. 9 round for 1/4 sec. cor. marked 1/4 on N. face, from which
	A spruce 6 in. in diam. bears $28^{\circ} 30' \text{ E. 2.}$ Dia. dist: marked 1/4 S. B. T.
	A pine 24 in. in diam. bears $28^{\circ} 30' \text{ W. 20}$ Dia. dist: marked 1/4 S. B. T.
42.00	Leave spruce.
46.00	Head of ravine. course S. E. ascend.
58.00	Ridge. bears E. & W. N. side. Set. Spruce.

Surveyings of 12.5 miles of Land

	Chains 3
74.50	Leans, falling, descend gradually Tence. leans N. 97° 31' E. leans timber, onto meadow
75.30	Road. leans N. 97° 31' E.
80.00	Set a trachyte 18x10x8 cm. 12 ins. in the ground for cor. to Secs. 20, 21, 29 & 29. marked 2 notches on S. & 4 notches on E. edges, dug hole 18x18x18 ins. in each sec., 6 ft. dist. and raised a mound of earth 4 ft. base, 2 ft. high. N. of Cor. S. E. cor. of big cabin leans N. 75° 17' 47" E. dist.
	Land. Rolling.
	Soil. gravelly & rocky, 3 trials, timber, rocks & pines.
	Virginianous land, 80 chs.
	809° 51' E. on a random line bet. Secs 21 & 20
40.00	Set temporary for Sec. Cor.
77.60	Intersects N. 97° 31' E. line at cor. to Secs 21, 22, 27 & 28.
	Whence I run
	809° 51' N. on a true line bet. Secs 21 & 20.
	Ascend gradually on flat top of ridge, in depth of 10 feet.
16.00	Enter flat, sloping E.
37.10	Set a trachyte 18x14x8 cm. 12 ins. in ground for 14. Sec. Cor. marked 1/4 on W. face from corids.
	2d. approx 12 ins. in chain. leans N. 72° 30' E.
	1st. line, dist. marked 1/4. S. 13. T.
	A spruce 12 ins. in chain. leans 107° 40' E.
	6 ft. dist. marked 1/4. S. 13. T.
	Leans timber.
53.10	Road. leans N. 72° 30' E.
54.00	Enter timber.
57.00	Ridge. leans N. 72° 30' E. descend gradually.
60.00	Leans timber, Enter meadow
67.80	Tence. leans N. 72° 30'
71.00	For cor. to Secs 20, 21, 29 & 29.
	Set a trachyte 18x10x8 cm.
	1st. gravelly & rocky & later

Subdivisions of C. 26 of T. 17 N. W. Cont'd.

Chains	Timber, Aspens & Spruce. Mountainous land 77.00 chs.
	Sept 16. I set off 2° 20' N. on the decl. arc and at 12 m. C.M. to observe the sun on the meridian. The resulting lat. is 38° 52' N. at the cor. to Secs 20, 21, 20 & 21. Hence I run
	No. 03 N. Lat. Secs 20 & 21.
	Descend gradually over meadow.
11.40	Head of Fork of Monroe Creek. S. E. winds down N. E. ground gradually
13.00	Foggy down E. S. W.
16.80	Leave meadow.
23.00	Point of rocky ridge. 50 ft. high. Bear E. descend.
30.00	Enter timber.
36.00	Gully 50 ft. deep. course E. ascend.
40.00	Set a bache to 18x10x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; from which
	On aspen 10 ins. in diam. bears N. 58° E. 50 ft. dist. marked 1/4 S. 13. T.
	On aspen 8 ins. in diam. bears N. 2° W. 50 ft. dist. marked 1/4 S. 13. T.
48.00	Ridge. bears E. S. W. ascend.
53.00	Head of gulch. 50 ft. deep. course E. ascend.
60.00	Rocky ridge. bears E. S. W. soft. high. descend.
65.00	Head of gulch. 50 ft. deep. course N. E. ascend.
74.50	Ridge. bears S. E. N. W. descend in spruce & pines.
80.00	Set a bache to 18x12x10 ins. 12 ins. in the ground for cor. to Secs 16, 17, 20 & 21 marked 3 notches on E. and 4 notches on S. edge; from which
	A spruce 10 ins. in diam. bears N. 51° E. 50 ft. dist. marked 1/2, S. 11. E. 34. S. 16. 13. T.
	A spruce 10 ins. in diam. bears S. 68° E. 50 ft. dist. marked 1/2, S. 11. E. 2. S. 15. 21. 13. T.
	A spruce 8 ins. in diam. bears S. 57° W. 50

Subdivisions of V. 26. S. P. D. M. Cont'd.

	Diam.	<p>Obs dist. marked T 26.5 R. 2 M. 8.20 B. T. A spruce 8 ins. in diam. bears N 73° W. 60 ft. dist. marked T 26.5 R. 2 M. 8.17 B. T. Land rolling. Soil. Gravelly & rocky, 3rd state. Timber. Spruce & pine. Mountainous land 80 chs.</p>
40.00		<p>N 89° 51' E. on a random line bet. Secs 16 & 21 Set temporary sec. cor. Balanced N 13° E. line 9 chs. N. of cor. to sec. 15-16-21 El 22. Then w. I run S 84° 55' W. on a true line bet. Secs 16 & 21 Enter aspen & spruce ascend Ridge. 200 ft. above sec. cor. bears N. E. El 21 descend.</p>
36.50		<p>Ravine. course N. E. as circled. Set a trachyte 1.6 x 10 x 6 ins. 11 ins. on the ground, for 1/4 sec. cor. marked 1/4 on W. face, from which,</p>
39.95		<p>A spruce 18 ins. in diam. bears N 85° E. 64 Obs. dist. marked 1/4 S. B. T. A spruce 18 ins. in diam. bears N 68° 10' E. 60 obs. dist. marked 1/4 S. B. T.</p>
69.50		<p>Leave aspens.</p>
74.40		<p>Ridge bears N. E. El 21. W. descend to the cor. to Secs 16-17-20 El 21.</p>
79.90		<p>Land. rolling. Soil. Gravelly & rocky, 3rd state. Timber. Spruce & aspens. Mountainous land 79.90 chs.</p>
28.00		<p>No. 20 M. bet. Secs 16 & 17 Enter spruce & pines descend 300 ft. to Hollow. course N. Spruce along E. side of Canon. leaves timber.</p>
40.00		<p>Set a trachyte 1.6 x 10 x 6 ins. 12 ins. on the ground for 1/4 sec. cor. marked 1/4 on W. face, and round a mound of stone, 2 ft. base, 1/2 ft. high W. of cor. This impracticable.</p>

Subdivision of T. 26. S. R. 2. D. C. Continued

miss.	
54.00	Canon. course N. E. Creek 4 Ch. miles. Flows N. E. ascend.
65.50	Ridge. bears N. E. E. W. Enter aspen and Spruce. descend.
80.00	Set - a granite 20x14x6 miss. 16-mis. in the ground for cor. to Secs 8. 9. 10 & 11. marked 4 notches on S. & E. edges; from which An aspen 6 mis. in diam. bears N 48° 15' E. 51' Lhs. dist. marked T. 26. S. R. 2. W. 5 9. B. T. An aspen 3 mis. in diam. bears N 7° 15' E. 51' Lhs. dist. marked T. 26. S. R. 2. W. 5. 16 - 15. T. An aspen 4 mis. in diam. bears S 10° 45' W. 37' Lhs. dist. marked T. 26. S. R. 2. W. 5 17. T. A spruce 12 mis. in diam. bears N 22° 10' W. 36. Lhs. dist. marked T. 26. S. R. 2. W. 5. 8. 13. T. Land. broken. Soil. Rocky. A thumbnail.
	Timber. Spruce. Spruce & Pine. Mountainous land 80 chs.

	N 84° 55' E. on a random line bet. sec. 9 & 10.
40.00	Set - temporary 1/4 dec. Cor.
79.94	Intersect W. E. line & the N. of cor. to Secs 9. 10. 10 & 11. thence S. west
	N 84° 55' W. on a line 6 mis. set. Secs 9 & 10. Enter aspen & spruce. ascend.
80.00	Ridge. bears N. W. E. N. E. descend.
81.77	Set - a granite 14x12x10 mis. 10 mis. in the ground for 1/4 dec. Cor. marked 1/4 on N. face; from which
	An aspen 6 mis. in diam. bears N 10° E. 6 Lhs dist. marked 1/4 S. B. T.
	An aspen 6 mis. in diam. bears S 40° W. 12 Lhs dist. marked 1/4 S. B. T.
	Descend 250 ft. w.
53.20	Canon. course N. W. Creek 3 Chs miles. Flows W. W. ascend.
59.75	Point of ridge 17 ⁵ / ₈ bears N. W. descend. H. high.
60.15	Canon. course N. creek 4 Chs miles. Flows N. ascend.

Bird division of T. 26. S. R. 2. W. Continued.

74.50	Point of ridge. 300 ft. high. bears N. descend. The cor. to Seco 8.9. 16 $\frac{3}{4}$ ft. 17% Land. broken. Soil. Rocky, 4 $\frac{1}{2}$ in. slate. Limber. Abundant & spruce Mountainous land 59.94 chs.
79.94	
9.80	Lat. 8°.03' N. bet. Seco 8 $\frac{3}{4}$ ft. Enter sc. - tiring aspens & spruce. descend Cañon. course E. creek 4 chs. mds. flams N. E. thence E. ascend
21.50	Point of ridge. 200 ft. high. bears E. descend about 600 ft.
40.00	Set a granite 16x12x8 in. 11 in. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. W. of Cor. Pilis impracticable. Land. broken. Soil. Rocky, 4 $\frac{1}{2}$ in. slate. Limber. Scattering aspens & spruce. Mountainous land 40. chs. Note; I discontinued this line here on account of rough. broken country. impossible to Survey.
	September 16 " 1897.
5.00	Left 17" At 8 $\frac{1}{2}$ a. m. C. m. b. I set off 38°.34' on the lat. arc, 2°.02' N. on the decl. arc; and determine a true meridian with the solar. at the cor. to Seco 3.4. 9 $\frac{3}{4}$ ft. thence I run West bet. Seco 4 $\frac{3}{4}$ ft. Descend 100 ft.
13.00	Monroe Creek 10 chs mds. in Cañon. course N. descend in scattering aspens.
40.00	Top of ridge 300 ft. high. bears S. descend over broken. N. slope of Cañon. Set a trachyte 16x13x7 in. 11 in. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high. W. of Cor. Pilis impracticable. Land. broken.

Subdivision of S. 26. S. P. 2. M. Continued

names.

- Rocky. 4th sale.
Timber - Scattering aspens.
Mountainous land 40 chs.
Note. On account of Cliffs & rugged mountain
I find it impossible to continue this line.

From the cor. to Secs 5. 6. 31 & 32. on S. edge
of Mts. as heretofore described.

I run

No. 03 N. lat. Secs 31 & 32.

Descend 250 ft. in aspen brush & fallen
timber.

- 16.00 Leave timber.
19.00 Head of Manning Creek Canon. course N.W.
ascend.
21.90 Road. bears N.E. & S.W.
22.00 Enter aspen & spruce.
27.50 Ridge. bears N.W. & S.E. Divide bet. Seven &
Grass Valleys. descend. leave timber
29.00 Road. bears N.W. & S.E.
32.60 Ravine. course S.E. creek 2 lks wide flows
& ascend.
36.00 Enter timber.
40.00 Set a trachyte 7.6 x 12 x 8 ins. 11 ins. in the ground
for 1/4 sec. Cor. marked 1/4 on W. face; from which
An aspen 14 ins. in diam. bears N. 52° 10' E 28 lks
dist. marked 1/4 S. B. T.
An aspen 16 ins. in diam. bears N. 64° 45' W 27
lks. dist. marked 1/4 S. B. T.
41.00 Ridge 4.80 ft. high. bears N. W. & S. E. descend
43.00 Leave timber
45.20 Box Creek Canon. Course S.E. Creek
4 lks wide. flows S.E. ascend.
62.00 Enter aspens & spruce.
80.00 Set a trachyte 2.8 x 12 x 10 ins. 18 ins. in the ground
for Cor. to Secs 29. 30. 31 & 32. marked 1 notch on
3/5 notches on E. edges; from which
An aspen 6 ins. in diam. bears N. 76° 35' E 4 lks
dist. marked T. 2. S. R. 2. M. S. 27 1/2 T.
An aspen 6 ins. in diam. bears N. 6° 05' E 6 lks

Subdivision of T. 26. R. 2. W. Continued.

dist: marked T. 26. S. R. 2. W. S. 32. B. T.
aspen 12 ino. in diam. bears N 20° 45' W 19
lks dist: marked T 26. S. R. 2. W. S. 31. B. T.
An aspen 6 ino. in diam. bears N 36° 35' W 26
lks dist: marked T. 26. S. R. 2. W. S 30. B. T.
Land. broken.
Soil. Rocky 4th rate.
Timber. Aspens & Spruce.
Mountainous land 80. chs.

September 17. I set off 1⁰. 57' E. on the decl. acc;
and at 12 h M. l.m. I observe the sun on the
Meridian the resulting lat: is 38° 31' N at the
Cor. to Secs 29-30-31 & 32,

thence I run

S 89° 52' E. on a random line bet. Secs 29 & 32.

40.00 Set temporary 1/4 Sec. cor.
79.90 Intersect N. & S. line 19 lks S. of Cor. to Secs
28, 29, 32 & 33.

thence I run

West on a true line bet. Secs 29 & 32.

Descend.

3.00 Enter aspens & spruce.
6.00 Enter bottom.
8.00 Greenwich Creek 4 lks wide. flows S. E. in
Canion. course S. E.

9.00 Ascend.

39.95 Set a brachyte 14 x 12 x 10 ino. 9 ino. in tho
for 1/4 sec. cor. Marked 1/4 on N. face, from which
An aspen 14 ino. in diam. bears N 41° E. 21 lks
dist: marked 1/4 S. B. T.

An aspen 7 ino. in diam. bears S 34° 15' E 6
dist: marked 1/4 S. B. T.

39.00 Ridge. bears N. & S. descend gradually
in cor. to Secs 29. 30. 31, & 32,
Land. rolling.

Soil. Gravelly & rocky 3rd rate.
Timber. Aspens & Spruce.
Mountainous land 79. 40 chs.

Subdivision of T. 26 S. R. 2. W. Continued

$W 89^{\circ} 32' N.$ on a random line bet: Secs 30 & 31,

40.00 Set temporary $\frac{1}{4}$ sec. cor.

47.00 Entered W. body of M. 11 lbs G. of Cor. to Secs
25. 30. 31 & 32, as heretofore described.

Then I run

East on a true line bet: Secs 30 & 31,

ascend in aspens & scattering spruce

7.00 Set a granite 18x16x7 mos. 12 mos. in the
ground for $\frac{1}{4}$ sec. cor. Marked $\frac{1}{4}$ on N. face; from which
on aspen 4 mos. in diam. bears $W 5^{\circ} 10' E$ 7 lbs
dist: marked $\frac{1}{4}$ S. B. T.

On aspen 4 mos. in diam. bears $S 0.45^{\circ} E$. 14 lbs
dist: marked $\frac{1}{4}$ S. B. T.

22.00 Ridge. bears $N. 37^{\circ} S.$ Divide bet: Lewis & Grass
Valleys. descend.

29.00 Fork of Box Creek. 4 lbs mds. in Head of
Canyon. comes S. leaves timber

30.10 Road. bears $N. 37^{\circ} S.$

33.00 Enter timber, ascend to

- 47. The cor. to Secs 29. 30. 31 & 32.

Land. rolling.

Fair. Rocky. 4 tracts.

Timber. Aspens & scattering spruce,
mountainous land 47.00 chs.

$W 0^{\circ} 05' N.$ bet: Secs 29 & 30.

Ascend. in aspens and scattering spruce.

15.00 Ridge. bears $E 37^{\circ} N.$

20.00 Descend.

32.50 Leaves timber.

36.50 Head of Canyon. comes S. N. ascend

40.00 Set a trachyte 18x14x8 mos. 12 mos. in the
ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; from which
on aspen 12 mos. in diam. bears $S 188^{\circ} E. 40^{\circ}$ lbs
dist: marked $\frac{1}{4}$ S. B. T.

On aspen 6 mos. in diam. bears $W 67^{\circ} N. 71$ lbs
dist: marked $\frac{1}{4}$ S. B. T.

40.20 Road. bears $N. 8.37^{\circ} S. W.$

40.50 Enter Timber.

45.00 Top of Ridge, 500 ft. above $\frac{1}{4}$ sec. cor. bears $W. W.$
 $37.5^{\circ} S. E.$ Divide bet: Lewis & Grass Valleys. descend

Subdivision of C. 26-S. R. 2. W. Cont'd.

- 80.00 Set a granite 16x14x8 ins. 11 ins. in the ground. for Cor. to Secs 19. 20. 29 & 30. marked 2 notches on S. & 3 notches on E. edges; from A spruce 24 ins. in diam. bears $W 71^{\circ} 40' E$ 49 lks dist. marked T. 26. S. R. 2. W. 5. 20. B. T.
A spruce 10 ins. in diam. bears $S 55^{\circ} E$ 15' 40 dist. marked T. 26. S. R. 2. W. 5. 24. B. T.
A spruce 18 ins. in diam. bears $S 46^{\circ} W$ 14 lks dist. marked T. 26. S. R. 2. W. 5. 30. B. T.
A spruce 10 ins. in diam. bears $W 56^{\circ} 40' E$ 60 lks dist. marked T. 26. S. R. 2. W. 5. 19. B. T.
Land, broken.
Soil. Rocky. 4 th-rate.
Lumber. Spruce & Fir.
Mountainous land 80 chs.

September 17 1897

- 40.00 East on a random line bet: Secs 20 & 29
Set temporary $\frac{1}{4}$ sec. cor.
79.70 Intersect N. E. S. line 15 lks W. of Cor. to Secs 20. 21. 28 & 29.
Hence I run
 $N 89^{\circ} 54' W$ on a true line bet: Secs 20 & 29.
Enter Meadow
Road. bears $N. W. E. & S. E.$
6.40 Fence. bears $E. W. E. & S. E.$ Enter timber ascend
35.90 Road. bears $N. E. E. & S. W.$
39.85 Set a tracky to $7 \frac{1}{2} \times 10 \times 8$ ins. 9. ins. in the ground for $\frac{1}{4}$ sec. cor. marked 2 on S. face; from which A pine. 30 ins. in diam. bears $S 65^{\circ} E.$ 13 lks dist. marked $\frac{1}{4}$ S. B. T.
A spruce 12 ins. in diam. bears $W 37^{\circ} 30' N$ 28 lks dist. marked $\frac{1}{4}$ S. B. T.
The cor. to Secs 19. 20. 29 & 30.
Land. Rolling. Sloping E.
Soil. Rocky. 4 th-rate.
Lumber. Spruce. Spruce & Pine.
Mountainous land 79.70 chs,

Sept 18: At: 8^h 55^m A.M. C.M.T. I set off $38^{\circ} 32'$ on the lat. arc; $1^{\circ} 57' W$ on the decl. arc; and determine a true meridian with the solar, at the cor. to Secs 19. 20. 29 & 30

Subdivision of S. 26. S. R. 2. 87. Continued.

Chains	West on a random line bet. Secs 19 & 20.
40.00	Set temporary to Sec. Cor.
46.90	Intersect W. bdy. of Lp. at cor. to Secs 19 & 24. 25- $\frac{1}{2}$ 30. as heretofore described thence E. run East on a true line bet. Secs 19 & 20.
2.90	Descend
2.90	Creek 3' above mde. in gulch. course N.W. enters aspen & spruce. ascend.
6.90	Set a tractyle 16 x 9 x 7' mis. 11 mis. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face; from which A spruce 6' mis. in diam. bears 60° E. of the dist. marked $\frac{1}{4}$ S. B. T. A spruce 9' mis. in diam. bears 60°:30' W 100'- the dist. marked $\frac{1}{4}$ S. B. T.
41.90	Top of ridge. bears N. E. S. descend gradually to the cor. to Secs 19, 20, 29 & 30.
46.90	Land. broken. Soil. Rocky. 4' to soil. Timber. aspen & spruce. Mountainous land 46.90 chs.

10:05 W. bet. Secs 19 & 20.
Descend in aspen & spruce.
20.00 Gulch. course N. E. ascend
40.00 Set a tractyle 14 x 9 x 5' mis. 9 mis. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N.W. face; from which An aspen 13' mis. in diam. bears 61°:45' E 100'- dist. marked $\frac{1}{4}$ S. B. T.
62.00 A spruce 8' mis. in diam. bears 62°:45' W 17. Chs. dist. marked $\frac{1}{4}$ S. B. T.
67.00 Leaves timber.
71.00 Enter timber.
75.00 Leaves timber.
75.00 Ridge. bears N. E. S. W. enter timber. descend.
83.00 Set a tractyle 18 x 8 x 4' mis. 12 mis. in the ground for cor. to Secs 17, 18, 19 & 20 marked 3 matches on S. E. S. matches on E. edges; from which A spruce 10' mis. in diam. bears 67°:30' E 67'

Subdivision of C. 26. R. 2. M. Contained.

On line	<p>This dist. marked T. 26. S. R. 2. M. S. 17. B. T. A spruce 8 mos. in diam. bears $80^{\circ} 48' N$ the dist. marked T. 26. S. R. 2. M. S. 20. B. T. A pine 16 mos. in diam. bears $52^{\circ} 48' W$ 56' This dist. marked T. 26. S. R. 2. M. S. 19. B. T. A pine 12 mos. in diam. bears $72^{\circ} 13' W$ 98' This dist. marked T. 26. S. R. 2. M. S. 18. B. T. Land broken. Soil. Rocky. 4th rate. Timber. Spruce. Spruce & pine. Mountainous land 80 chs. At this cor. Sept. 18th I set off $1^{\circ} 55' N$ on the decl. arc; and at 12th M. L. m. b. observe the sun on the meridian. the resulting lat. is $38^{\circ} 33' N$</p>
89° 54' E. on a random line bet. secs 17 & 2	
40.00 Set temporary $\frac{1}{4}$ sec. cor.	
79.8 Intersect W. S. line at cor. to secs 16, 17, 2 & 21.	
Thence I run	
W. 89° 54' N. on a true line bet. secs 17 & 20	
Descend 400 ft. in spruce.	
8.00 Creek 4 lbs wide in Cañon course N. ascend	
24.00 Ridge 600 ft. above creek bears N. E. S. descend	
39.94 Set a trachyte 16 x 12 x 7 mos. 11 mos. in the ground	
for $\frac{1}{4}$ sec. cor. Marked $\frac{1}{4}$ on N. face; from which	
A spruce 8 mos. in diam. bears $80^{\circ} 50' E$ 12 lbs	
dist. marked $\frac{1}{4}$ S. 13. T.	
A pine 14 mos. in diam. bears $76^{\circ} W$ 26 lbs	
dist. marked $\frac{1}{4}$ S. 13. T.	
W. 00 River. course N. W. ascend,	
76.00 Ridge. bears N. E. S. 1/2 S. W. descend gradually.	
— 79.88 The cor. to secs 17, 18, 19 & 20.	
Land broken.	
Soil. Rocky. 4 th rate.	
Timber. Spruce & pine.	
Mountainous land 79.88 chs	

Subdivisions of S. 26. S. R. 2. N. Continued.

West - on a random line bet. Secs 18 & 19.

40.00 Set temporary N. Sec. Cor.

46.71 Intersect W. boundary of sp. at cor. to Secs 15, 18
19 & 24. as hitherto described

thence I run

East - on a true line bet. Secs 18 & 19.

Ascend S. slope

6.71 Set a trachyte 18 x 15 x 11 mns. 12 mns. in the
ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face;
and raised a mound of stone 2 ft. base,
1 ft. high. N. of Cor. Site impracticable
22.00 Top of ridge. bears N $\frac{3}{4}$ S. enter timber
descend to

- 46.7 Th. cor. to Secs 17, 18, 19 & 20.

Land. high mountains

Soil. Rocky & stony.

Timber. Pine & Spruce.

Mountainous land 46.71 ch.

N $0^{\circ} 03'$ W. bet. Secs 17 & 18.

Enter timber. descend gradually

18.00 descent

39.00 Bottom of Canyon. Creek 4 lks wide. course
N 10° E.

40.00 Set a trachyte 17 x 11 x 4 mns. 12 mns. in the
ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N.
face; from which

A pine 15 mns. in diam. bears S 40° W 8 lks.
dist. marked $\frac{1}{4}$ S. B. T.

A pine 20 mns. in diam. bears S 82° W 9 lks
dist. marked $\frac{1}{4}$ S. B. T.

42.00Leave bottom. descend along W. side of
Canyon

65.00 Road. bears N. E. & S. W. ascend.

- 80.00 Set a trachyte 20 x 14 x 12 mns. 15 mns. in the
ground for cor. to Secs 7, 8, 17 & 18. marked
4 notches on S. & 5 notches on E. edges. and same
mound of stone 2 ft. base. 1 ft. high. N. of Cor. Site impracticable

aspen 3 mns. in diam. bears N 53° E. 24 lks
dist. marked T. 26. S. R. 2. N. 5. S. B. T.

An aspen 3 mns. in diam. bears S 53° E. 34 lks

Subdivisions of T. 26. S. R. 2. W. Continued

dist. marked T. 26. S. R. 2. W. S. 17 B. T.
 An aspen 3 ino. in diam. bears S 65° W 10° Eks
 dist. marked T. 26. S. R. 2. W. S. 18. B. T.
 No other bearing trees within limits.
 and. high mountains,
 Soil. Rocky. 4th rate,
 Limber. Spruce & aspen.
 Mountainous land 80 chs.

- 189° 34' E. on a random line bet: Secs 8 & 11
 48.00 Set temporary 1/4 sec. cor.
 50.00 Intersect N & S. line 14 Eks S. of cor. to bear
 8. 9. 16 & 17.
 thence I run
 West on a true line bet: Secs 8 & 17.
 Descend in aspens & pines.
 26.10 Canon. course N. E. Creek 4 Eks wide - course
 N. E. A Fork from S.
 29.75 Creek 4 Eks wide. course N. E.
 32.00 Same creek. course S. E.
 40.00 Set a trachyte 14 x 13 x 7 ino. 9 ino. in the ground
 for 1/4 sec. cor. marked 1/4 on N. face; from which
 A spruce 10 ino. in diam. bears S 89° 15' E. 26
 dist. marked 1/4 S. B. T.
 An aspen 8 ino in diam. bears S 80° 30' W 48
 Eks dist. marked 1/4 S. 13. T.
 Ascend S. side of Canon.
 66.75 Game Creek. 4 Eks wide. course N. E. cross
 Canon. ascend.
 73.75 Broad. bears N & S.
 - 80.00 Th. cor. to Secs 7. 8. 17 & 18.
 1. broken.
 Soil. Rocky. 4th rate,
 Limber. aspen & Spruce.
 Mountainous land 80 chs.
 Note: Monroe Peaks bears to the west about
 50 chs. impossible of ascent - from this side.

400

Subdivision of T. 46 S. R. 2. W. continued.

Hours.	80°.05' W. bet. sec's 7 & 8
	Ascend in aspens & spruce.
3.00	Ridge. bears N. E. & S. W. descend.
6.50	Spring on line. flow N. W. ascend.
22.00	Point of ridge. bears N. W. descend, 100 ft. from timber. enter brush.
25.00	Point of ridge. bears N. W. descend, 100 ft. from timber. enter brush.
30.00	Ravine. comes N. W. ascend 75 ft.
37.00	Ridge. bears N. W. descend.
40.00	Set a trachyte 18x10x5-in. 12 in. on the ground for 1/2 sec. Cor. marked 1/4 on N face, and raised a mound of stone 2 ft. base, 1/2 ft. high. N. of cor. Site impracticable. Land. broken.
	Soil. Rocky. 4 th rate.
	Timber. Aspens & spruce. dense brush on 15 th chs.
	Mountainous land 40. chs.

Note. On account of cliffs & ledges on S. slope of Monroe Canon. it is impossible to continue on this line.

September 18th 1897.

General Description.

This township is all on top of high mountain. The divide between Devil's & Grass Valleys, too high for farming, but is covered with a luxuriant growth of grass which is used for summer pastures for cattle from Devil's & Grass valleys.

There is an abundance of excellent water, clear & cold, fed by numerous springs.

The timber is mostly aspen & spruce. Considerable of the latter has been, and is being cut into lumber.

There is no animal found in this township.

There are no settlers or improvements in this township. But a log cabin in the S. G. of sec. 20. but the owner could not be found.

Subdivision of S. 26. T. R. 2. W. Continued

Wm. Collings D.E. 2692 & Daniel Collings
D.E. 2693, had no improvements that could
be found in this township.

John T. Breckin
Homer Mc Party
U. S. Deputy Surveyors.

Volume

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from United States Surveyor General for bearing date of day of , 189 , I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for , the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of of the meridian, in the of which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor

Subscribed by said and sworn to before me }
this day of , 189 }

OOOOOO
O SEAL O
OOOOOO

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Yalldakely H. C. March 13, 189

The foregoing field notes of the survey of the land described as follows: *the land described as follows: 26 South Range 2 West of the Yalldakely Base & Boundary Plat*

executed by *John T. Beckard* under his contract No. *205*, dated *October 20th*, 189 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Jacob V. Bla

United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in

....., has been correctly copied from the original notes on file in this office

United States Surveyor General

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Exhibit

R
4-679.

BOOK A-249

86.3.B.

FIELD NOTES

OF THE SURVEY OF

*East. 1/4 part of Ward's boundary
of T. 30. S. d. 3. T. 3.*

Of the ~~Mid-Atlantic~~ Meridian,

State of Ut.

AS SURVEYED BY

John F. Buckow & General Lie. Engr., United States Deputy Surveyor,

Under his Contract No. 208, dated October 20th, 1897.

Survey commenced Sept. 20th, 1897.

Survey completed Oct. 22nd, 1897.

6-181

E. Bdy (high) 6-03-50 1/43.35
N. " do 1-39-85 ✓

Cert. W. Bdy - 6-04-20 ✓

Names and Duties of Assistants.

Alex. Morrison Crimina

C. G. Morrison Crimina

Thomas Hale Oxman & Moundman

For preliminary affidavits see book B-

BOOK A-249

INDEX DIAGRAM.

Township 50, Range 3

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34	35	36	37	38	39	30

Meanders Page.....

Preliminary Oaths of Assistants.

We, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist in
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey o

_____, Chainman

_____, Chainman

Subscribed and sworn to before me this _____ }
day of _____, 189 }

ccccccc
O SEAL O
ccccccc

We, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of
corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman

_____, Moundman

Subscribed and sworn to before me this _____ }
day of _____, 189 }

ccccccc
O SEAL O
ccccccc

We, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner
and other duties, according to instructions given us, to the best of our skill and ability, in the survey o

_____, Axman

_____, Axman

Subscribed and sworn to before me this _____ }
day of _____, 189 }

ccccccc
O SEAL O
ccccccc

I, _____, do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the
survey of _____

_____, Flagman

Subscribed and sworn to before me this _____ }
day of _____, 189 }

ccccccc
O SEAL O
ccccccc

East bound of C. 30. L. R. 3. D.

Survey commenced Sept. 20th and executed with Farley mountain transit with solar attachment.

I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications, resulting from solar observations made during A.M. and P.M. hours, with a true meridian determined by observations on Polaris, I proceed as follows;

Sept. 20. At the Standard Cor. to Lgs 30 S. R. & 8. W. Latitude 38° 59' N. Longitude 112° 11' W. At 4^h 50^m P.M. L.m.t. I set off 38° 59' on the lat. arc; 0° 44' N. on the decl. arc; determine with the solar a true meridian; and mark a point thereof on a stone set firmly in the ground 0.00 chs. N. of the cor.

At 7^h 26^m P.M. L.m.t. I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point on the line thus determined on a peg driven in the ground 0.00 chs. N. of my station.

September 20th 1897

Sept. 21st. At 6^h 50^m a.m. L.m.t. I lay off the azimuth of Polaris 1° 34' to the west and mark the true meridian line determined by cutting a small groove in the stone set Sept. 20th on which the true meridian falls 0.3 m. west of the mark determined by the solar.

At 7^h 10^m a.m. L.m.t. I set off 38° 59' on the lat. arc; 0° 3' N. on the decl. arc; and mark a point in the true meridian determined by the solar, by a cross on the stone already set 0.00 chs. N. of my station this mark falls 0.3 m. west of the true meridian established by the Polaris observation.

East boundary of T. 30 S. R. 3 M. Continued

chain. The solar apparatus by Prof. J. A. Newell's observations defines positions for two meridians respectively about 0.16° east and 0.16° west of the true meridian established by the Polaris observations; therefore I conclude the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at $7^{\circ} 20'$ a. m. is $N. 15^{\circ} 48' W.$ The angle thus determined reduced by the table, Page 100, gives the Mean Mag. Decl. $15^{\circ} 24.5' E.$

I begin at the Standard Cor. 6 T. 30 S. $11^{\circ} 2^{\prime} E. 5.97$ which is a sandstone $8 \times 10 \times 6$ ins. above ground, cracked & whitened as described by the Surveyor General. Then I cross

North bed. Licks 31 $\frac{1}{2}$ ft.

Enter scattering channel of fine, descend about 500 ft. to

26.50 Ravine. course N.W. ascend 300 ft.

34.00 Ridge. bears N.W. $3^{\circ} 1.6' E.$ descend

40.00 bed - a sandstone $1.5 \times 10 \times 7$ ins. 11 ms. on the ground for 1/4 sec. cor. marked 14 on W. face; whence

A fine 30 ins. in diam. bears $N. 45^{\circ} W. 45'$
The dist. marked 14.5. 15. T.

B fine 18 ins. in diam. bears $N. 69^{\circ} 30' W.$
71.00 dist. marked 14.5. 15. T.

52.00 Ravine 400 ft. below ridge. course N.W. ascend.

60.00 Ridge. bears N.W. $3^{\circ} 1.6.$ 100 ft. high. descent.

70.00 Ravine course N.W. ascend

80.00 Point of ridge. bears N.W. bed - a sandstone $16 \times 10 \times 6$ ins. 11 ms. on the ground for cor. to licks 25. 30. 31 $\frac{1}{2}$ ft. marked 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. marked 1 matched on S. and 5 matches on N. edges; and raised a mound of stone 2 ft. base 1/4 ft. high. W. of Cor. Pits impracticable.

Landslides few.

Soil. Gravelly & rocky 3" shale.

East boundary of T. 30. S. R. 3. W. Continued.

Chains.	Timber. Scattering Cedars & Pines. Mountainous land 80. chs.
	North. bet: Secs 25 & 30. Enter scattering Cedars & Pines. descend about 100 ft.
5.00	Ditch. course N.W. ascend 200 ft.
11.90	Ridge bears N.W. & S.E. descend 400 ft.
28.00	Ravine. course NW. ascend.
40.00	Set - a sandstone 16x10x8. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; from which A pine 8 ins. in diam. bears N 32° E. 220 ft. dist. marked 1/4 S. B. T.
	A pine 15 ins. in diam. bears N 35° W. 21 ft. dist. marked 1/4 S. B. T.
46.20	Ridge. bears N.W. & S.E. descend 300 ft.
74.00	Ravine course N. ascend 150 ft.
79.00	Ridge. bears E & W. descend,
80.00	Set - a sandstone 16x12x7 ins. 11 ins. in the ground for Cor. to Secs 19-24. 25-30 marked 2 notches on S. and 4 notches on N. edge; from which A cedar 10 ins. in diam. bears S 80° E 11° S dist. marked T. 30. S. R. 24. 1/4 N. S. 30 B. T.
	A pine 6 ins. in diam. bears S 34° S 30° W 24 ft. dist. marked T. 30. S. R. 24. 1/4 N. S. 30 B. T.
	A pine 30 ins. in diam. bears N 26° S 30° W 12 ft. dist. marked T. 30. S. R. 24. 1/4 N. S. 30 B. T.
	Land. broken.
	Dirt. Gravelly & rocky. S. dirt.
	Timber. Scattering Cedars & Pines. Mountainous land 80. chs.
	North. bet: Secs 19 & 24.
	Enter Cedars & Pines. descend 25 ft. 6
1.00	Ditch. course N.W. ascend.
11.00	Ridge 50 ft. high. bears N.W. & S.E. descend.
14.70	Ditch. course N.W. ascend.
18.00	Point of ridge. 80 ft. high. falls W. descend.
21.30	Ditch. course S.W. ascend.

East boundary of S. 30. S. 61. S. W. Continued.

38.00	cliffs ridge. bears N. 45° E. descend along N.E. slope
40.00	Set a sandstone 18x14x6 in. 12 in. in the ground for 1/4 sec. Cor. marked 1/4 on N. face; from which a cedar 20 in. in diam. bears $78^{\circ} 8' E. 16'$ Chs dist. marked 1/4 S. B. T. A pine 6 in. in diam. bears $4^{\circ} E. 21'$ Chs dist. marked 1/4 S. B. T.
47.50	Steep descent over sandstone edges
58.00	Leaves broken.
80.00	Set a sandstone, 18x18x16 in. 12 in. in the ground for Cor. 5 Secs 13. 18. 19 & 24, marked 3 notches on N.E. edge; and various a mound of stone 2 ft. base. 1 1/4 ft. high. 4 1/2 of Cor. This is intractable. A pine 8 in. in diam. bears $84^{\circ} 35' W.$ Chs dist. marked S. 30. S. 18. 3. W. 5. 24. 13. T. Nothing leaving trees without marks and broken.
	Sand. rocky at the rest.
	Smaller, scattering cedars & pines.
	Moraineous land 80 ch.

For 70 feet: sec 13 & 18.

1.40	Entire scaterring cedars & pines, descend
1.44	Entire bottom. Road. bears E. & W.
5.50	Entire base of Beaver River. 40 in. wide. 2 ft. deep
8.02	flows W.
8.02	Leaves bottom, ascend.
36.70	Common road. bears E. & W. slopes ascend
37.20	Long ornate bluff 60 ft. high, ascend
40.00	Top of rocky point 700 ft. above bottom.
	Falls W. descend,
	Set a quartzite rock 14x14x12 in. 9 in. in the ground for 1/4 sec. Cor. marked 1/4 on N. face; from which
	A pine & pine in diam. bears $32^{\circ} 30' W. 91'$ Chs dist. marked 1/4 S. B. T.
	A pine 12 in. in diam. bears $N. 21^{\circ} 35' W. 73'$ Chs dist. marked 1/4 S. B. T.
40.00	Rocky gulch. 100 ft. dep. course W. ascend,

East Boundary of T. 30. S. R. 3. N. Continued.

Chains. 57.00	Point of ridge falls S. W. descend.
67.50	Rocky Gulch 80 ft. deep. course S. W. ascend.
70.50	Point of ridge. falls S. W. descend
77.00	Gulch 80 ft. deep. course S. W. ascend
- 80.00	Ridge. bears S. W. Set-a limestone 20x16 x 4 mo. 18 in. in the ground for cor. to dist T. 12. S. 41. 15. marked 4 matches on N. and 2 matches on W. edges; and raised & rounded of stone, 2 ft. base, 1 1/2 ft. high. N. of Cor. Pt. impracticable.
	A fissile 10 in. in diam. bears N 78° 45' E. 11 in. Dist. marked T. 30. S. 41. 15. S. 7. 10. T.
	A fissile 12 in. in diam. bears N 80° W 116 in. Dist. marked T. 30. S. 41. 15. S. 7. 12. 10. T. End broken.
	Set-a. Ridge, 4 to 6.
	Climax. Setting Cenozoic Period. Marliferous land 80 c.s.

North 20° 45' E. 11 in.

Enter setting Cenozoic Period. Second
about 80 ft.

57.00	Canter. course S. W. Wood-wax. bears N. 8. S. W. ascend
26.00	Top of Terrell 800 ft. high. on ridge bears N. 8. S. W. descend.
38.00	Passion. course S. W.
40.00	Set-a limestone 16x11x8 in. 11 in. in the ground for 1/4 dec. Cor. marked from N. face, from which R. c. 11-14 in. no diam. min. 6. 40 M. 19 Obs. dist. marked 14 S. 13. T.
	A cedar 15 in. in diam. bears N 70° 17' 48' Obs. dist. marked 14 S. 13. T.
42.00	Dry wash 50 tho miles. 6 ft. deep. course S. W. ascend.
44.60	Quartzite Bluff 40 ft. high. bears N. 8. S. W. ascend.
65.00	Ridge 200 ft. high. bears E. S. W. ascend
76.00	Gulch. course S. ascend.
- 80.00	Set-a sandstone 18x16 x 7. in. 12 in.

G. S.

East boundary of C. 30 & R. 3. N. Continued.

Cham.	ground for Cor. to Secs 1, 6, & 12, marked 5 volkies on N. & 11 volkies on W. edges; from which
	A pine 12 ins. in diam. bears N 3° 30' E 33' Crs. dist. marked T. 30. S. R. 2 1/2 N. 5. 6. 13. T.
	A pine 12 ins. in diam. bears S 1° 30' E 34' N. dist. marked T. 30. S. R. 3. N. 5. 12. B. T.
	A cedar 15 ins. in diam. bears S 88° W 34' N. dist. marked T. 30. S. R. 3. N. 5. 12. B. T.
	A pine 8 ins. in diam. bears T 84° 20' W 52' N. dist. marked T. 30. S. R. 3. N. 5. 1. B. T.
	Land. broken.
	Soil. Gravelly & rocky, 3 scale.
	Timber. Scattering Cedars, Pines.
	Mountainous land. 80 cro.

Sept: 21 " 1877.

	on a ridge sec 1 E 1/6.
2.30	Enter scattering pines & Cedars, ascend 50 ft. ridge. bears E & W. descend
4.90	Gulch 50 ft. deep, course E. ascend 100 ft.
10.50	Ridge. bears NW & S. E. ascend 150 ft.
20.50	Gulch. course E. ascend 100 ft. to
26.60	Ridge bears E. & W. descend 100 ft.
35.00	Gulch. course E. ascend
40.00	left a sandstone 14 x 10 x 8 ins. 4 ins. in the ground for 1/4 sec. Cor. marked 1/4 on N. face; from which
	A cedar 18 ins. in diam. bears S 65° 30' W 58' N. dist. marked T. 30. S. 15. T.
	A pine 8 ins. in diam. bears T 82° 45' 6" N. E. 1/2. Cor. marked 1/4 S. 15. T.
56.00	Point of rocky ridge. falls S. E. descent
61.10	ridge. course S. E. ascend.
76.00	Point of ridge. falls S. E. descent.
80.00	Set temporary Cor. to 1/2 28 1/2 S. 115 2 1/2 S. 1/4.
82.00	Gulch. course E.
85.00	The Cor. to 1/2 28 1/2 S. 115 2 1/2 S. 1/4 N. as established in our survey of North boundary of C. 30 & R. 3. N.

East Boundary of T. 30 S. R. 3 N. Continued.

Land broken.

Soil. Granular & rocky 3rd ratio.

Timber. Scattering Cedar & Pine.

Promontary land 83.50 chs.

Sept. 22. 1897. at this cor. at 9^h 03^m A.M.
L.m.t. I set off 38° 15' on the decl. arc; 0:
04 N. on the decl. arc; and determine a
true meridian with the solar.

Sept. 22. 1897.

North Boundary of T. 30. S. R. 3. W.

- From the temporary Cor. to Sec 2 $\frac{3}{4}$ sec
R. 2 $\frac{1}{2}$ S. 3 W.
- I run
West on a random line along the N.
bdy of T. 30. S. R. 3. W. setting temporary
 $\frac{1}{4}$ sec. and sec. corrs at each 40 and 80 chs
and at 119.85 chs. intersect 3.50 chs E. of
the $\frac{1}{4}$ sec. cor. bet. Secs 2 & 3. which is a
conglomerate stone $6 \times 10 \times 8$ ins. above
ground marked and witnessed as described
by the Surveyor General.
- Thence I run
East on a true line bet. Secs 2 & 3. from
the $\frac{1}{4}$ sec. cor.
Enter scattering cedars and pines. ascend
500 ft. to
15.50 Point of ridge falls W. descend 250 ft. to
21.00 Canon. course N.W. ascend
39.80 Set a limestone $24 \times 16 \times 4$ ins. 18 ins. in the
ground for cor. to Secs 1. 2. 3 & $\frac{3}{4}$ sec. marked
1 notch on E. & 5 notches on N. edges;
from which
A pine 15 ins. in diam. bears NW $71^{\circ} 8'$. 153 chs
dist. marked T. 29. S. R. 3. W. 5. 36. 13. T.
A pine 10 ins. in diam. bears NW $71^{\circ} 45' 8'$ 73 chs
dist. marked T. 30. S. R. 3. W. 5. 1. 13. T.
A pine 16 ins. in diam. bears NW $69^{\circ} 30' W 18'$
dist. marked T. 29. S. R. 3. W. 5. 35. 13. T.
No other bearing trees within limits.
Land. broken.
Soil. Rocky, 4' talus.
Timber. Scattering cedars and pines.
Mountainous land. 39.85 changing.
Sept. 22nd at this cor. 5 sec. off $0^{\circ} 14' 30''$ on the decl. arc; and at 12th
W. C. m. t. observe the sun on the meridian the resulting lat is $38^{\circ} 15' N.$
- East on a true line bet. Secs 1 & 3. 66.
Enter scattering cedars and pines ascend
500 ft. to
9.00 Top of Knoll on ridge. bears NW $3^{\circ} 15' E.$
descend.
21.00 Gulch. 300 ft. deep. course N. W. ascend
28.00 Point of ridge. falls NW. descend

North form of T. 30. S. R. 3. W. Continued.

- 33.70 Head of Canon, 300 ft. dep. course N. W. asc.
 40.00 Set a limestone 16x8x5-in. 11 in. in the
 ground for 1/4 sec. Cor. marked 1/4 on N. face;
 from which
 A pine 6 in. in diam. bears $162^{\circ} 30' E$ 28
 dist. marked 1/4 S. B. T.
 A pine 10 in. in diam. bears $187^{\circ} 50' E$ 23
 lks. dist. marked 1/4 S. B. T.
 02:25 Ridge. bears N. E. S. descend 400 ft. - 6
 50.00 Set a sandstone 16x12x8 in. 11 in. in
 the ground for Cor. to Lps 29 & 30 S. R.
 2 1/2 and 3 M. marked
 275 on N. E.
 2 1/2 W. on S. E.
 01. on S. W. E.
 3. W. on N. W. faces; with 2 notches on each
 edge; from which
 A pine 18 in. in diam. bears $110^{\circ} 30' E$
 100 lks. dist. marked T. 29 S. R. 2 1/2 W. S. 32. S. T.
 A pine 10 in. in diam. bears $165^{\circ} 30' E$ 57 lks.
 dist. marked T. 30. S. R. 2 1/2 W. S. 3. B. T.
 A pine 20 in. in diam. bears $149^{\circ} 50' W$
 25 lks. dist. marked T. 30. S. R. 3. W. S. 1. B. T.
 A pine 10 in. in diam. bears $115^{\circ} 30' W$ 86
 20. dist. marked T. 29. S. R. 3. W. S. 36. B. T.
 I destroy temporary cor.
 and broken.
 Soil. Rocky, 4 ft. calc.
 Timber - scattering pines & cedar.
 Mountainous land 80. chs.

Alt. 22" 189

Boundaries T. 30. S. R. 3. W.

Latitude. altitudes Closest

designated as

Latitude

East

with Standard Par. East 480.00 480.00

East boundary North 483.50 483.50

North form West 479.85

479.8

West boundary $50^{\circ} 13' E$ 484.20 484.20 1.80

Convergency

$83.50, 484.20, 481.80, 480.42$

$\frac{83.50}{170}, \frac{484.20}{480.42}$

Error Lat. 1.38

Boundaries of T.30. S. R.3. M. Continued.
Note, For General Description, See sub-
division of this township.

John T. Brookwood
Horner M. C. Gandy
U.S. Deputy Surveyors.

Volume

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Survey of
West boundary of T. 30. S. R. 5. W.

Sept. 26th 1897. At 8^h-05 = A. M. L. m. b. I set off 38°.09' on the lat. arc; 0°.18' S. on the decl. arc; and determine a true meridian with the solar. at the Standard Cor. to Lps 30 S. R. 5 3 $\frac{1}{4}$ W. which is a Sandstone 6x14x10 in above ground, marked & witnessed as described by the Surveyor General.

Then I run:

North on a survey line along N. Bdy. of T. 30. S. R. 5. W.

I find most of the corners on this line in place. and at 6 miles 4.20 Chs. the Cor. to Lps 29 $\frac{3}{4}$ S. R. 5 3 $\frac{1}{4}$ W. bears West 180 degs. dist. which is cor ironstone 8x10x8. ins. above ground, marked and witnessed as described by the Surveyor General.

The true course of this line therefore is No: 13 W. and the dist. 484.50 chs.

John J. Breckin
Deacon M^e Clancy
U. S. Deputy Surveyor

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Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

_____, of the _____ base and _____ meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

Subscribed and sworn to before me this _____
day of _____, 189 _____ }



512-51
508-51
BUANK

Final Oath of United States Deputy Surveyor.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

..... of the base and meridian, in the of which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me this }
day of _____, 189_____ }



APPROVAL.

Office of the United States Surveyor General,

Salt Lake City, Ut - March 13, 1899

The foregoing field notes of the survey of *The Early and Middle Boundary
Tract of Salt Lake Range 30 East of the Salt Lake City
Dreuklair, Neat*

executed by *John J. Breckinridge and James M. Early*
under contract No. *208*, dated *October 20th*, 1896, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob H. B. Blair

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

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4-679.

BOOK A-249

36.3.B.

FIELD NOTES

OF THE SURVEY OF
PART OF THE

Subdivision of 1.30. S. D. G. N.

Of the Salt Lake Standard Meridian,

State of Utah

AS SURVEYED BY

Henry T. French & Herman H. Lang, United States Deputy Surveyors

Under his Contract No. 208, dated October 20, 1896

Survey commenced Sept. 21, 1896

Survey completed Sept. 25, 1896

6-161

Subs. (right) m. chs 000-
24-46-24 1
6-20 1
Closing

Contingent 2-43-87 ✓

Names and Duties of Assistants.

Alex. Morrison Chairman

C. H. Morrison Chairman

Joseph Johnson Chairman

Chas. Bohman Chairman

Thomas Bates Axeman & Woundman

Joseph Zollig Axeman & Woundman

For Preliminary offenders see book C.

BOOK A-249

INDEX DIAGRAM.

Township 30 S, Range 27 W

6	5	4	3	2	1
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Meanders Page.....

Preliminary Oaths of Assistants.

Secto -
305-374 -

BOOK A-249

518

	Long - m. chs. lks.	Close - m. chs. lks.
1 -	00-00 ✓	
	79-80 ✓	
1 -	00-00 ✓	
	79-80 ✓	
1 -	00-00 ✓	
	79-76 ✓	
1 -	00-00 ✓	
	79-80 ✓	
1 -	03-80 ✓	
1 -	00-00 ✓	
1 -	00-10 ✓	
1 -	00-00 ✓	
1 -	00-00 ✓	
1 -	00-00 ✓	
1 -	00-00 ✓	
1 -	41-80 ✓	
1 -	00-30 ✓	2-70 ✓
	40-00 ✓	
1 -	00-00 ✓	350
1 -	00-40 ✓	
	40-20 ✓	
1 -	00-00 ✓	
1 -	00-48 ✓	
1 -	00-50 ✓	

24-46.24
✓ 3 ✓

2-70
6-20 ✓

Retained - Contd -

m. chs. lks -

40-90 ✓
1-00-72 ✓
1-02-25 ✓
<hr/> 2-43-87 ✓

80) 526 (6
18

9

Subdivisions of T. 30. S. R. 3. N.

Survey commenced Sept-21st 1897, and executed with a Gurley Mountain transit with solar attachment. ^{attachment with solar} Surveyor's transit with solar.

Sept- 21st At 8^h 30^m A.M. l.m. t. I set off 38° 09' on the lat. arc; 0° 27' N. on the decl. arc; and determine a true meridian with the solar, at the Standard Cor. to Secs 35-436. Which is a Granite 8 x 6 x 3. ins. above ground marked and witnessed as described by the Surveyor General. Incomplete file apparatus. Book & hence I run

No. 01 N. bet. secos 35-436. Var 15° 45' E.

Ascend gradually in scattering cedars & pines

27.40 Ridge. bears N.W. E. S. E. descend into Cañon

34.70 Cañon 100 ft. deep. course N.W. ascend.

37.75 Point of ridge bears N. W. descend.

40.00 Set a limestone 16 x 10 x 8 ins. 11 ins. in the ground for cor. to Sec. Cor. marked 1/4 on N. face; from which

A pine 16 ins. in diam. bears N 24° 58' E.

22 lbs dist. marked 1/4 S. E. S. T.

A pine 15 ins. in diam. bears S 51° W 24 lbs. dist. marked 1/4 S. E. S. T.

45.50 Ravine 100 ft. deep. course N. W. ascend.

64.00 Point of ridge. bears N. W. descend 300 ft. to

80.00 Set a limestone 18 x 12 x 8 ins. 12 ins. in the ground for cor. to Secs 25-26. 35-436. marked 1 notch on S. & E. edges; from which

A pine 8 ins. in diam. bears N 60° W. 34 lbs dist. marked T. 30. S. R. 3. N. S. 25. B. T.

A pine 6 ins. in diam. bears S 55° 30' E. 16 lbs dist. marked T. 30. S. R. 3. N. S. 26. B. T.

A pine 8 ins. in diam. bears S 45° W. 20 lbs dist. marked T. 30. S. R. 3. N. S. 25. B. T.

A cedar 8 ins. in diam. bears N 89° 58' W 43 lbs dist. marked T. 30. S. R. 3. N. S. 26. B. T. Land. broken.

Soil. Gravelly & rocky 3rd rate.

Timber. Cedars & pines.

Mountainous land 80 chains.

Subdivisions of V. S. S. P. S. M. Continued.

Chains	East on a random line bet. Secs 20 & 36.
40.00	Set temporary $\frac{1}{4}$ sec. cor.
79.80	Intersect E. bdy of S. 15 lks N. of cor. to Secs 26, 30, 31 & 36. thence I run N 84° 5' 8" W. on a true line bet. Secs 20 & 36 descend 150 ft;
12.60	Dist. course 1871.
14.00	Enter S. end of cor. second.
20.00	Leave cedar
26.80	Enter cedar, ridge bear N. N. E. & S. E. descend
31.60	Ravine 100 ft. deep. course NW. ascend.
38.30	Ridge. bears N. W. & S. E. descend
39.90	Set a trachyte 15 x 9 x 7 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, from which A pine 12 ins. in diam. bears N 57° W 18 lks dist. marked $\frac{1}{4}$ S. S. T. A pine 10 ins. in diam. bears S 28° E. 45 lks dist. marked $\frac{1}{4}$ S. S. T.
61.40	Ravine 200 ft. deep. course N. W. ascend.
65.60	Ridge. bears N. N. E. & S. E. descend 300 ft.
76.00	Ravine. course N. W. ascend
78.20	Point of ridge, 600 ft. high. bears N. W. descend
- 79.80	The cor. to Secs 26, 30, 31 & 36. Land, broken. Soil. Gravelly & rocky. & shale. Spire. Cedar & pine. Mountainous land 19.80 chains.

No. 01 N. bet. Secs 26 & 26.

1.00	Descend 50 ft. in scattering cedar & pine, Enter Cañon. Course N. from E. Pt.
6.65	Trail. bears N. E. & S. W.
7.10	dry wash 20 lks wide, 5 ft. deep. course N. E.
10.00	Dry wash from S. E. course N.
14.70	Leave wash. course N. W.
15.70	Trail. Course N. W. & S. E.
29.50	Ascend E. side of Cañon.
32.00	Lop. of ascent. descend over bench.
40.00	Set a trachyte 14 x 9 x 8 ins. 10 ins. in the

Subdivision of T. 30. S. R. G.W. Continued.

Drains	<p>ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face; from which</p> <p>A cedar 24 ins. in diam. bears N. $50^{\circ} W$ 7 lbs dist. marked $\frac{1}{4}$ S. B.T.</p> <p>A pine 12 ins. in diam. bears S $46^{\circ} W$. 42 lbs dist. marked $\frac{1}{4}$ S. B.T.</p> <p>Leave bench descend 80 ft.</p> <p>Ravine. course N.W.</p> <p>Leave Ravine. ascend 80 ft.</p> <p>Top of ascent. Point of ridge. course N.W. descend gradually</p> <p>Leave timber.</p> <p>Set-a Trachyte 18x10x10 ins. 12 ins. in the ground for cor. to Secs 23-24-25 & 26. marked 2 notches on E. & 1 notch on E. edges; and raised a mound of stone 2 ft. base. 1 h ft. high. N. of Cor. Pit impracticable.</p> <p>A pine 10 ins. in diam. bears N $25^{\circ} 30' W$.</p> <p>31 lbs. dist. marked T. 30. S. R. 37 W. S. 23. B.T. No other bearing trees available.</p> <p>Land. broken.</p> <p>Soil. gravelly & rocky 3rd mat.</p> <p>Timber. Cedar & Pine!</p> <p>Mountainous land 80. chain.</p>
Sdg. 38' E. on a random line bet. Secs 24 & 25	
40.00	Set temporary S. Cor.
79.70	Contract E. Bdy. of Sp. 17 Chs N. of Cor. to Secs 19, 2, 4, 26 & 150 Chain 3 m.
N. $89^{\circ} 30' W$ on a line line bet. Secs 24 & 25	
Along N. slope of ridge, in scattering cedar & pine.	
10.00	Cross ridge. bears N.W. from E. descend.
24.10	Gulch. course N.W. ascend
34.20	Ridge 100 ft. high. bears N.W. & S. E. desc.
39.00	Gulch. course N.W. ascend.
39.85	Set-a trachyte 14x12x6 ins. 9 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face; from which
	A cedar 10 ins. in diam. bears S $27^{\circ} 30' E$ 14 lbs

Subdivisions of T. 30. S. P. 3. N. W. Continued

Chains	dist: marked $\frac{1}{4}$ S. B. T.
	A cedar 6 mins. in diam. bears $N 45^{\circ} 15' W$ 140 the dist: marked $\frac{1}{4}$ S. B. T.
47.50	Ridge 100 ft. high. bears $N.W. \frac{1}{2} S.E.$ descend.
51.75	Ravine. course N.W. ascend.
60.00	Ridge. $N.W. \frac{1}{2} S.E.$ descend.
70.00	Gulch. course N.W. ascend.
72.00	Second over bench.
76.00	Leave Cedars & pines.
79.70	The cor. to secos 23-24-25 & 26. Sand. broken. Soil. Gravelly & rocky, & shale. Timber. Cedars & pines. Mountainous land 79.70 etc.
	No ^o 01 NW. lot: Seco 23 & 24, descend gradually over bench
28.00	Leave bench. descend in scattering cedars & pines.
29.00	Ravine. course N.W. ascend.
40.00	Set a white sandstone 18x11x7 mins. 1.2 mins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; from which A pine 8 mins. in diam. bears $N 28^{\circ} 20' E$. 30 lbs dist: marked $\frac{1}{4}$ S. B. T.
	A pine 10 mins. in diam. bears $S 57^{\circ} 30' W$ 77 lbs dist: marked $\frac{1}{4}$ S. B. T.
42.00	Point of ridge. bears N. descend
46.00	Enter bottom of gulch from S.E.
51.00	Leave bottom. ascend.
52.40	Point of ridge. 60 ft. high. bears N. descend
53.00	Enter bottom of Canon. course N.E.
54.80	Road. bears N.E. & S.W.
60.75	Sly wash 40 lbs wide. 3 ft. deep. course N.E.
70.20	Leave bottom. ascend conglomerate bluffs 150 ft. high.
75.30	Top of bluffs. Point of Bluff bears E.
80.00	Set a sandstone 18x16x4 mins. 1.2 mins. in the ground for cor. to secos 13, 24, 23 & 24. marked 3 notches on S. & 1 notch on E. edges, and raised a mound of stone 3 ft. high.

Subdivision of T. 30. S. R. 3. N.W. Continued

Chains.	high. W. of Cor. Pits impracticable. A pine 18 in. in diam. bears N 61° 30' E. 95-lbs dist. marked T. 30. S. R. 3. N.W. S 18.. B.T.
	Land. Broken. Soil. Rocky & gravel.
	Timber. Scattering Cedar & Pine. Mountainous land 80 chs.
	Sept. 21, "1897.
40.00	N 81° 50' E. on a rounded knoll. dist. sec 13 & 24. Set temporary m.s. cor.
79.60	Intersect E. side of L. 23 lbs W. of cor. to sec 13. 14. 19 & 24.
	Since I now
	N 83° 45' W. on a low knoll. dist. sec 13 & 24.
	Along E. side of Corridor. ascending gradually.
26.48	Gulch 2 lbs wide. 2 min. deep. flows N. into canyon.
33.85	Stream 1 lb wide. 2 min. deep. flows N. D. Sudweeks house bears N 20° 30' W.
36.70	Point of ridge. bears N. descend.
38.60	Gulch 50 ft. deep. course N. W. Sudweeks house bears N 2° E.
39.80	Set a sandstone 16 x 14 x 8 in. 11 min. in the ground gently slo. sec. 24. marked by one M. face from which
	A cedar 12 min. in diam. bears S 57° E 52 lbs dist. marked 1/4 S. 13. 7.
	A cedar 12 min. in diam. bears S 8° N 33° E. dist. marked 1/4 S. 13. 7.
43.60	Point of ridge. 250 ft. high. bears N 8° E. descend.
50.60	Ravine. course N.W.
52.70	Dry wash 30 lbs wide. 6 ft. deep. course N.W. ascend.
58.00	Point of ridge. 100 ft. high. bears N. descend.
60.00	Wood road. bears N 8° E.
62.10	Bottom of Corridor. course N.E. leave cedar 8 in.
67.68	Wood road. bears N 8° E. 1/2 ft. N.
72.60	Dry wash. 40 lbs wide. 4 ft. deep. course N.E. ascend 200 ft.
- 79.60	The cor. to secs 13. 14. 23 & 24

July 20' 1910 at Y. B. S. S. I. S. H. Continued

Claims	<p>Land. Broken.</p> <p>Soil. Granular & rocky, 3rd ratio.</p> <p>Timber. Scattering Cedar & pine.</p> <p>Mountainous land 79.60 cho.</p>
	<p>No. 01 N.W. bet. secs 13 & 14,</p> <p>Ascend along E. slope of ridge.</p>
7.00	<p>Slope of ridge 30 ft. above Sec. Cor. bears N. E. 1/4 N.</p> <p>Descend 300 ft.</p>
24.00	Bottom of Canon course N. from S. W.
27.90	dry wash 30 lhos wide, 2 ft. deep, course N. from S. W.
35.70	Leave wash, course N. W. ascend.
40.00	Set a lava rock 16x14x10 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base 1 ft. high. N. of Cor. Pits impracticable.
42.00	Slope of ridge. bears E & N. descend.
52.60	Enter bottom of Canon, course W.
52.90	Canon road, bears E & W. enter Cottonwood timber.
58.30	East Fork of Sevier River 40 lhos wide, 2 ft. deep. flows N.W.
63.25	Leave bottom, leave timber, ascend.
80.00	Set a sandstone 16x12x10 ins. 11 ins. in the ground for cor. to Secs 11, 12, 13 & 14, marked 4 notches on S. & 1 notch on E. edges; and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pits impracticable.
	A cedar 12 ins. in diam. bears N 71° 10' E 10 lhos dist. marked T. 30. S. R. 3. N. S. 12. B. T. A pine 10 ins. in diam. bears N 60° 10' W. 58 lhos dist. marked T. 30. S. R. 3. N. S. 11. B. T.
	630 other bearing trees available
	Land. Broken & bottom.
	Soil. Granular & rocky 3 rd ratio.
	Timber. Cottonwood.
	Mountainous land 80 cho.
	<p>0 59° 40' E. on a random line bet. Secs 12 & 13.</p> <p>Set temporary in Sec. Cor.</p> <p>Entered E. side of M. 23 lhos S. of Cor. to</p>
40.00	
79.76	

Subdivision of C. 30 S. R. 3. W. Continued

1.00 secos 7, 12, 13 & 18.

Thence I run

9° 50' W. on a true line bet. Secos 12 & 13.

ascend about 100 ft. in scattering Cedars & pines.

6:10 Canon course S.W. Wood road bears N.E. & S.W.
7:30 Ascend.

13:00 Top of ridge. bears N.W. about 300 ft. high.
descend,

22:00 Canon. course S. ascend.

36:00 Top of ridge about 400 ft. high. bears N.E. & S.W.
descend.

37:88 Set a Land stone 18x14x8 ins. 12 ins. in the
ground for 1/4 sec. cor. marked 1/4 on N. face;
and raised a mound of stone 2 ft. base, 1 ft.
high. N. of cor. Plot impracticable.

63:75 Canon course S. ascend

68:60 Ridge 200 ft. high. bears N.E. & S.W. descend to

79:76 The cor. to Secos 11, 12, 13 & 14,
Land. broken.

Soil. Rocky, 4th rate.

Timber. Scattering Cedars & pines,
Mountainous land 79:76 cho.

90° 01' W. bet. Secos 11 & 12.

Enter scattering Cedars & pines, ascend 20 ft.

1:00 Point of ridge. bears S.W. descend.

3:50 Gulch, course S.W. ascend.

10:00 Point of ridge. bears S.W. descend

11:00 Gulch 30 ft. deep. course S.W. ascend.

28:00 Ridge. 400 ft. above Sec. Cor. bears N.E. & S.W.
descend.

31:00 Head of gulch. course S.W. ascend.

34:00 Ridge. bears N.E. & S.W. descend.

40:00 Set a Trachyte 16x12x9 ins. 11 ins. in the
ground for 1/4 sec. cor. marked 1/4 on N. face;
and raised a mound of stone 2 ft. base, 1 ft. high.
N. of cor. Plot impracticable.

56:00 Ravine. course S.W. ascend over rough
rocky hills

67:00 Rocky ridge N.E. & S.W. Ascend along West
slope.

Subdivision of S. 30, S. R. 2. M. Continued

Chains. 80.00	Set a trachyte 18x8x4 ins. 12 ins. in the ground for cor. to Secs 1-2. 11 $\frac{1}{2}$ ft. marked 5 switches on S. & 1 switch on E. edges; and raised a mound of stone 2 ft. base 1 ft. high. N. of cor. Bits infracticable. Land. broken. Soil. Rocky. 4 th ratio. Timber. Scattering Cedars & pines. Mountainous land. 80. cho.
89.50	S 89° 50' E. on a random line bet. Secs 1 & 12.
40.00	Set temporary 1/4 sec. cor.
79.80	Intersect E. edge. of S. 23 alks S. of cor. to sec. 1-6. 7 $\frac{1}{2}$ ft.
	thence I run
	West on a true line bet. Secs 1 & 12.
	Ascend .30 ft. in scattering pines & Cedars.
18.00	Ridge. bears NW $\frac{1}{4}$ S. descend.
26.00	Prairie. courses N. & E. ascend.
29.00	Ridge. bears NW $\frac{1}{4}$ S. E. descend.
37.90	Set a trachyte 16x10x5 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base 1 ft. high. N. of cor. Bits infracticable.
43.50	Gulch. course N. E. ascend 200 ft.
57.00	Ridge. bears NW $\frac{1}{4}$ S. W. descend 300 ft.
62.50	Gulch. course N. W. ascend 300 ft.
71.00	Ridge. bears N. E. $\frac{1}{4}$ S. W. descend over loose boulders to
79.80	The cor. to Secs 1-2. 11 $\frac{1}{2}$ ft. Land. broken. Soil. Rocky. 4 th ratio. Timber. Scattering cedar & pines. Mountainous land 79.80 cho.
	No. 5. W. on a random line bet. Secs 1 & 2.
40.00	Set temporary 1/4 sec. cor.
83.80	Intersect E. edge. of S. 23 alks E. of cor. to sec. 1-2. 56 $\frac{1}{2}$ ft.
	thence I run
	N 6° 05' E. on a true line bet. Secs 1 & 2.

Subdivisions of C.G.O.S. R. 3. M. V. Continued

Chans.	Enter scattering Cedars & pines, descend 20 ft.
0.80	Head of Gulch, course S.W. ascend.
7.50	Ridge, bears E & W. descend.
30.80	Gulch, 50 ft. deep, course W. ascend.
33.80	Point of ridge, bears W. descend.
35.80	Canyon, course NW 70° W. ascend 100 ft.
43.80	Ridge bears NW & N.E. Set-a-trachyte 16x12x8 in. 11 in. in the ground for 1/4 sec. Cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone. 2 ft. base 18 ft. high. W. of Cor. Pdo minaretal, descend 200 ft.
50.50	Canyon course N.W. ascend 100 ft.
67.50	Ridge, bears NW & S.E. descend 200 ft. to the cor. to secis 1.2.11 & 12.
83.80	Land. broken. Soil. Rocky & hard. Timber. Scattering Cedars & pines. Mountainous land 83.80 chs.

Sept. 22 "1897

Sept. 23 " At 8^h 45^m A.M. I. m. t. I set-off
 $38^{\circ} 09'$ on the lat. arc; $0^{\circ}.19'$ S. on the decl.
 arc; and determine a true meridian with
 the solar. at the Ethnological Cor. to secis 34 &
 35. which is a sandstone 8x10x4 in. above
 ground, marked & described as described by
 the Surveyor General
 hence I name

1.70:01' W. lat. cor. is 34 & 35.

1.70:01' N. decl. cor. is 34 & 35.

16.80	Scattering Cedars & pines, descend 300 ft.
31.00	Ravine, course N.W. ascend 200 ft.
40.00	Ridge, bears E & W. descend
	Set-a-sandstone 16x14x7 in. 11 in. in the ground for 1/4 sec. Cor. marked 1/4 on W. face; from which
	A pine 6 in. in diam. bears $W. 24^{\circ}$ E. 21 lbs dist. marked 1/4 S. B.T.
	A pine 8 in. in diam. bears $S. 27^{\circ} 30' W. 50' N. 25'$ dist. marked 1/4 S. B.T.
46.00	Head of ravine, course N.W. ascend 200 ft.
57.00	Ridge, bears E & W. descend 150 ft.
64.00	Head of Gulch, course N.W. ascend 100 ft.

Subdivisions of C. S. O. S. R. S. N. Continued

	Chains 77.00	Rocky point. bears. N. descend.
-	80.00	Set a lava rock 24 x 12 x 10 in. 18 in. in the ground for cor. to secis 26, 27, 34 & 35 marked 1 notch on S. & 2 notches on E. edges, and raised a mound of stone 2 ft. base, 1 ft. high. N. of cor. Site impracticable. Land broken.
		Soil. Gravelly & rocky, 3 rd natn.
		Timber. Scattering cedar & pines.
		Mountainous land 80 chains.
		East on a random line bet. secis 26 & 35.
	40.00	Set temporary 1/4 sec. cor.
	80.10	Intersect N. & S. line 23. like S. of cor. to secis 25, 26, 35 & 36. thence S. run.
		89° 5' 0" W. on a true line bet. secis 26 & 35.
		Entire scattering cedar & pines. descend 40 ft.
	5.00	Entire bottom of Canyon. course N.E.
	4.00	Six wash 30. Yds. wide, 6 ft. deep, course N.E.
	6.00	Leave bottom. ascend 600 ft.
	31.10	Ridge. bears N.E. descend.
	37.60	Head of gulch, 50 ft. deep. course N. ascend.
	40.00	Set a sandstone 18 x 14 x 6 in. 12 in. in the ground for 1/4 sec. cor. Marked 1/4 on N. face and raised a mound of stone 2 ft. base, 1 ft. high. N. of cor. Site impracticable.
	43.00	Ridge bears N.E. thence N.E. descend.
	64.00	Gulch. course N.E. ascend 600 ft.
	76.00	Rocky ridge. bears N.E. & S.W. leave cedar & pines descend 50 ft. along N. W. slope.
-	80.10	The cor. to secis 26, 27, 34 & 35.
		Land broken.
		Soil. Gravelly & rocky, 3 rd natn.
		Timber. scattering cedar & pines.
		Mountainous land 80.10 chs.
		No. 01 N. bet. secis 26 & 27.
		Ascend about 800 ft.
	27.00	Entire scattering cedar & pines on bottom of Canyon. course N.E.

Subdivision of T. 30. R. 47. S. 14. Don't know.

diams 27.40	bly wash. 30 ft. wide. 5 ft. deep. course N.W. ascend.
40.00	Set-a-sandstone 28x10x10 min. 20 min. in the ground for 4 sec. Con. marked 1/4 on W. face, from which
	A cedar 8 min. in diam. bears N.W. 2°. 40' E. 8.
	This dist. marked 1/4 S. 13. T.
	A cedar 24 min. in diam. bears E 19°. 10'. E. 20 This dist. marked 1/4 S. 13. T.
52.00	Ridge. 200 ft. above Cotton. bears N.W. E 11. M descend.
56.00	Ravine. 200 ft. deep. course N.W. E. ascend.
78.00	Ridge. bears E. E. W. descend to
80.00	Set-a-sandstone 16x10x8 min. 11 min. in the ground for cor. to secos 22. 23. 26 & 27. marked 3 notches on E. & E. edges; and raised a mound of stone 2 ft. base, 1 ft. high. W. of Cor. It's impracticable. Land. broken
	Soil. Gravelly & rocky. & gravel.
	Timber. Scattering Cedars & pines.
	Mammals seen. 80 sps.

N 89° 57' E. on a random line 1st sec 23 & 2.

40.00.	Set-temporary in sec. cor.
80.00.	Intersect N.E. line 14 ths N. of cor. to secos 23. 24. 25 & 26.
	Then 1 sec.
	S 89° 56' W. on a line line betw secos 25 & 26.
	Enter bench.
115.0	Descend 80 ft. enter scattering cedars & pines.
12.00	Enter bottom of Cotton. course N.
3.00.	Bly. wash 40 ft. wide 4 ft. deep. course N. Trail in wash. bears N.E. E.
6.0.0	Leave bottom. ascend.
12.00	Point of ridge. 100 ft. high. bears N.E. descend
28.00	Bottoms of Cotton. course N.E. dry wash 25 ft. wide. 4 ft. deep. course N.E..
29.00	Leave bottom. ascend.
40.00	Set-a-sandstone 18x14x6 min. 12 min. in the ground for 4 sec. Con. marked 1/4 on W. face,

Subdivision of Cl. 30. S. R. 3. M. Cont'd.

Chain	and raised a mound of stone 2 ft. base by 2 ft. high. N. of Cor. Pits impracticable. Ridge 500 ft. above canon. bears N.E. 45° W. descend 200 ft. - Lava timber, Head of gulch. course N.E. ascend 50 ft. The Cor. to Secs 22, 23, 26 & 27, Land. broken. Soil. Gravelly & rocky, 3rd rate. Timber. Scattering cedars & pines. Mountainous land 80. chains.
10.01	OT. bel: sec's 22 & 23.
12.00	Enter scattering cedars & pines. descend, Ravine. 100 ft. below Sec. Cor. course N.E. ascend
22.25	Ridge 200 ft. high. bears N.E. 45° W. descend
30.00	Set a sandstone 16 x 16 x 8 in. 11. min. in ground for 1/4 sec. Cor. marked 14 on N.E. face, and raised a mound of stone 2 ft. base 1 1/2 ft. high. N. of Cor. Pits impracticable.
60.10	Ravine. course E. ascend 100 ft.
69.00	Ridge. bears N.E. 45° W. descend 200 ft.
80.00	Set a sandstone 18 x 12 x 10 in. 12 min. in ground. for 1/4 Cor. to Secs 14, 15, 22 & 23, marked 3 notches on S. and 2 notches on E. edge, and raised a mound of stone 2 ft. base 1 1/2 ft. high. N. of Cor. Pits impracticable. A pine 12 min. in diam. bears S 70° 20' E. 120 lbs dist. marked T. 30. S. R. 3 N. S. 23. 13. T. A pine 12 min. in diam. bears S 8° 20' W. 130 lbs dist. marked T. 30. S. R. 3 N. S. 22. 13. T. No other bearing trees within limits.
	Land. broken.
	Soil. Rocky. 4th rate.
	Timber. Scattering Cedars & pines.
	Mountainous land 80. chains.

Sept 26th 1897

Left 24. At 8th a.m. l.m.t. I set off 38° 11' N
in the lat. arc. 0° 41' S. on the decl. arc, and
determine a true meridian with the solar al-
timeter. Cor. to Secs 14, 15, 22 & 23.

Therein I rest.

Subdivision of C. 30, T. R. 3 N. Continued.

Chains	
40.00	N 89° 36' E. on a random line bet. sec. 14 & 23. Set temporary 1/4 sec. cor.
81.00	Intersect N 31° line 9 the W. of cor. to sec. 15. 14. 23 & 24.
	Then I run
	West on a true line bet. secs. 14 & 23.
	Ascend 50 ft.
3.00	Ridge. bears N. 8 D. S. W. descend 300 ft. in scattering cedars & pines.
24.00	Canyon. course N. S.
24.20	My wash 25 ft. wide 2 ft. fl. depth. course N. S.
24.50	Ascend
40.00	Set a sandstone 18 x 1.5 x 16 in. 12 min. in the ground. for 1/4 sec. cor. marked 14 on. N. face and raised a mound of stone 2 ft. base, 10 ft. high. N. of Cor. Pile impracticable.
	A pine 16 in. in diam. bears S 70° 40' E. 100 ft. dist. marked 14. S. 13. T.
	No other bearing trees within limits.
42.00	Ridge. bears N. S. D. S. W. about 500 ft. above Canyon. descend 50 ft.
64.00	Ravine. course N. S. ascend 200 ft.
70.60	Ridge. bears N. S. D. S. W. descend 150 ft. to the cor. to sec. 14. 15. 22 & 23.
80.00	Land. broken Soil. gravelly & rocky. 3' later. Timber. scattering. Cedar & pines. Ground surface 80 yrs.
	N. 0. 1. W. on a random line bet. sec. 14 & 15.
41.80	Intersect the 1/4 sec. cor. bet. sec. 14 & 15 which is a red sandstone 6 ft. 0 x 1.0 min. above ground, marked and witnessed as described by the Surveyor General.
	Then I run
	S. 0. 1. E. on a true line bet. sec. 14 & 15.
	Ascend
1.80	Set a red sandstone 18 x 1.5 x 8 in. 12 min. in the ground. for 1/4 sec. cor. to sec. 14 marked by a W. face, and raised a mound of stone 2 ft. base, 10 ft. high. N. of cor. Pile impracticable.

Subdivision of C. 30, T. 7, R. 3, W. M.

Chain.	
2.80	Point of ridge. bears S. descend.
6.60	Gulch 40 ft. deep. course N. B. ascend.
8.50	Point of ridge. bears S. descend 100 ft.
18.10	Gulch. course N. B. ascend.
22.40	Ridge 200 ft. high. bears N. E. 3/4 N. descend.
26.60	Gulch. course N. B. dry wash 200 yards 2 ft. deep. course N. B. ascend.
27.40	Ridge. bears N. B. 3/4 N. descend 50 ft.
31.75	Sly wash 40 yards 2 ft. deep. in ravine course N. B.
40.00	Ascent.
41.80	Line cor. to sec. 14, 15, 22 & 23.
	Land. broken.
	Soil. Gravelly & rocky, 3' to 4' thick.
	No. timber.
	Mountainous land \$1.80 per acre.

Sept. 24th 1897.

Sept 24th At the cor. to sec. 10, 11, 14 & 15 which is a Sandstone 10x14x10. ins. above ground marked and witnessed as described by the Surveyor General I set off 0° 47' 3" on the decl. arc and at 12 M. l. on t. obtain the sum on the meridian, the resulting lat. is 38° 12' N where I am.

Cast on a random line betw. sec. 11 & 14.

40.00 set temporary 4th dec. cor.

80.50 Intersect 1/4 of a line 270 chs. Nof cor. to sec. 11, 12, 13 & 14.

thence S. 45° E.

West on same line betw. sec. 13 & 14.

Entire scattering cedar & pine. descend 30 ft.

2.00 Gulch. course S. ascend.

5.00 Point of ridge 40 ft. high. bears 1.8. descend.

7.00 Gulch. course S. B. ascend 200 ft.

14.50 Ridge. bears N. E. 3/4 N. descend 200 ft.

22.65 Ravine. course S. ascend.

24.70 Point of ridge 80 ft. high. bears S. descend.

26.80 Gulch. course S. B. ascend

34.04 Ridge 200 ft. high. bears N. W. 1/4 N. descend.

40.00 Set a Sandstone 18x12x12 ins. 12 in. in the ground with a line marked north face and

Subdivision of C. S. S. R. S. M. Continued.

Chains	raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor. Pts impracticable.
42.20	Gulch course S. ascend.
45.60	Ridge 1.00 ft. high. bears N. E. descend.
58.00	Ravine. Course S. W.
58.80	Wood road. bears N. S. E. W.
59.00	Ascend.
74.30	Ridge 6.0 ft. high. bears N. E. descend.
80.30	Intersect N. E. S. line 2.70 chs. S. of Cor. to secs 10, 11, 14 & 15. I destroy all marks pertaining to secs 11 & 14, and set a Sandstone 16 x 12 x 8 ins. 11 ins. in the ground for closing. Cor. to secs 11 & 15, marked C.C. on E. with 4 grooves on S. and 2 grooves on E. faces; and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high E. of cor 3 ft. dist. Pts impracticable.
	Land broken.
	Soil. Gravelly & rocky, 3 $\frac{1}{2}$ - 4 $\frac{1}{2}$ in. cal.
	Timber. Scattering Cedars & Pines.
	Mountainous land 80. 30. chs.

From the $\frac{1}{4}$ sec. cor. bet. secs 2 & 11. which is
a limestone 8 x 12 x 10 ins. above ground, marked
and witnessed as described by the Surveyor
General.

I run.

East - on a random line bet. secs 2 & 11.

Intersect N. E. S. line 3.50 chs. E. of cor. to
secs 1, 2, 11 & 12. I destroy all marks pertaining
to secs 2 & 11, and

set a trachyte 18 x 14 x 10 ins. 12 ins. in the ground
for closing corner to secs 2 & 11. marked C.C.
on W. with 5 grooves on S. & 1 groove on E. faces;
and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft.
high W. of cor. Pts impracticable.

Thence I run

West - on a true line bet. Secs 2 & 11.

Enter scattering Cedars & pines, descend over
boulders & ledges.

2.50 Gulch course S. W. ascend.

Subdivision of C. 30 of R. 307 E.

	Shrubs 25.00	Lop of rocky ridge bears N.W. ascend
	50.00	Gr. 1/4 Sec. Con. bet. elev. 311. Sand banks.
		Soil. Rocky & gravel.
		Timber scattering Cedars & pines.
		Mountainous land 40. elev.
		Sept. 24 th 1897
	Sept. 25 th	At 9 th 30 th = 0. Mol. on t. bed off 38° 0' Now the lat. and 1° 07' S. on the decl. arc, and determine a true meridian with the solar. at the Standard Co. to elev. 333' 34. which is a Graville 20x16x10 ms. above ground marked & contoured as described by the Surveyor General.
		Chancery Room.
	No. 02 N.W. sec. lies 33° 1' 34".	
		Enter scattering cedars & pines descend
	45.00	Gulch 100 ft. deep. course N.W. ascend.
	30.00	Ridge. bears N.W. S.E. descend
	40.00	Ravine 200 ft. deep. course N.W. Set a sandstone 18x12x10 ms. 12 ms. in the ground for 1/4 sec. con. marked 1/4 on W. face from which a pine 6 ms. in diam. bears N.W. N. 6 ms. dist. marked 1/4 S. B.T.
		A pine 12 ms. in diam. bears S. 28° 30' E. 156 lbs dist. marked 1/4 S. B.T.
		Ascend.
	52.00	Ridge 200 ft. high. bears E. S.W. descend.
	67.00	Ravine. course N.W. ascend 300 ft.
	76.00	Ridge. bears N.W. S.E. descend.
	80.00	Set a sandstone 10x14x8 ms. 12 ms. in the ground for Con. to elev. 27. 28. 33 & 34. marked 1/4 inch on E. & 3 inches on S. edge, and raised a round of stone 2 ft. base. 16 ft. high. N. of Con. Site impracticable.
		Land broken.
		Soil. Graville & rocky & gravel.
		Timber scattering Cedars & pines.
		Mountainous land 80 elev.

Subdivisions of T. 32 S., R. 3 W. Continued.

ains.	East - on a random line bet. Secs 27 & 34
40.00	Set temporary 1/4 sec. cor.
80.40	Intersect N.E. S. line 23 1/2 lbs N. of cor. to Secs 26, 27, 34 & 35. thence I run.
	N 89° 50' W. on a true line bet. Secs 27 & 34 descend 400 ft.
17.00	Ravine. course N. ascend.
19.60	Point of Ridge. 50 ft. high. bears N.E. S. descend.
32.00	Canyon. course N.E. ascend. Enter scattering Cedars.
40.40	Set a sandstone 16 x 14 x 6 ins. 11 ins. in the ground. for 1/4 sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. broad 1/2 ft. high. N. of Cor. Site impracticable.
49.10	Ridge 500 ft. above Canyon. bears N.E. S. descend.
76.00	Gulch 400 ft. below top of ridge. course NW. ascend to
80.40	The cor. to Secs 27, 28, 33 & 34. Land. broken. Soil. Granular & rocky. 3 rd rate. Timber. Scattering Cedars. Mountainous land 80-40 chs.
	West - on a random line bet. Secs 28 & 33.
40.20	Intersect 6 lbs N. of the 1/4 sec. Cor. bet. Secs 28 & 33. which is a Cobble Stone 6 x 10 x 8 ins. above ground, marked 1/4 witnessed as described by the Surveyor General.
	thence I run
	N. 89° 50' E. on a true line bet. Secs 28 & 33.
	ascend
9.70	Ridge bears NW & S.E. descend.
26.70	Ravine 200 ft. deep. course N. ascend. scattering Cedars.
34.60	Point of ridge. bears NW. thence along N. slope to
40.20	The Cor. to Secs 27, 28, 33 & 34. Land. broken. Soil. Granular & rocky. 3 rd rate. Timber. Scattering Cedars. Mountainous land 40-20 chs.

Subdivisions of T. 30 S. R. 3 N. Continued

Chains	70° 02' W. on a random line bet. Secs 27 & 28.
40.00	Set temporary by Sec. Cor.
80.00	Entered the cor. to Secs 21, 22, 27 & 28. which is a Sandstone 12x12x8 ins. above ground, marked and witnessed as described by the Surveyor General, James J. Clegg.
	80° 02' E. on a true line bet. Secs 27 & 28.
	Ascend 100 ft.
10.50	Point of ridge. bears W. descend.
15.50	Head of gulch. 50 ft. deep. course N. ascend.
19.30	Point of ridge. bears W. descend.
25.50	Gulch 200 ft. deep. course N. ascend.
30.70	Ridge. bears E. & W. descend 400 ft.
36.70	Ravine. course W. ascend in scattering Cedars.
39.10	Point of ridge. 50 ft. high. bears W. descend.
40.00	Set a Sandstone 18x12x8 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked W. face; and raised a mound of stone 2 ft. base, 1 ft. high. W. of Cor. Pit impracticable.
42.50	Ravine. course N.W. ascend 200 ft.
58.30	Ridge. bears E. & W. descend 400 ft.
71.40	Ravine. course N.E. ascend.
80.00	True Cor. to Secs 27, 28, 33 & 34.
	Land. broken.
	Soil. Gravelly & rocky & water.
	Timber. Scattering Cedars.
	Riverbank. Pond. 80 ch.
	Thence the cor. to Secs 21, 22, 27 & 28.
	1. sec.
	89° 02' E. by a random line bet. Secs 22 & 27.
40.00	Set temporary by Sec. Cor.
80.48	Entered 89° E. line 1/4 the N. of cor. to Secs 22, 23, 26 & 27.
	Thence N.
	N. 89° 42' W. on a true line bet. Secs 22 & 27.
	Enter scattering Cedars & pine. ascend along N. slope of ridge.
8.00	Lt. of ridge. 200 ft. above Sec. Cor. bears E. & W. descend grad.

Geological Survey of Canada
Report on the Territories

Chancery	
20.50	Head of gulch, course N. E. ascend 200 ft.
25.30	Ridge, bear D 70° E. S 110° W. descend 300 ft.
36.00	Head of gulch, course N. W. ascend.
40.24	Set-a-limestone 16 x 12 x 8 ins. 10 ins. in the ground for 1/2 sec. Cor. marked 100 on Tr. face. I passed a mound of stone 2 ft. base, 10 ft. high. N. of cor. Site impracticable.
44.50	Point of ridge, bear D. S. descend 100 ft.
67.00	Gulch, course N. W. ascend 200 ft. to
79.50	Ridge, bear N. 8° W. S 118° E. descend 600 ft. to
80.48	The cor. to Secs 21, 22, 27 & 28. Sand broken.
	Soil: Gravelly & rocky 3 feet.
	Timber: scattering Cedar.
	Mountainous land, 80-48 elev.

From the cor. to Secs 15, 16, 21, 27 & 28 which
is an iron-stone 10 x 14 x 8. ins. above ground
marked 37 witnessed as described by the
Surveyor General.

I ran

S 87° 42' E. on a random line. Dist. dist. 5 sec.

40.00 Set temporary sec. cor.

50.50 Intersect D 31° E. line & the D of 20.50
Secs 14, 15, 22 & 28.

Thence I ran
N. 87° 46' N. via tree line. Dist. dist. 15-3 sec.

Second gradually

Enter ravine, course N. E.

14.00 Clay wash 2.5 ins. wide, 2 ft. deep. course N. E.

15.00 Ascend 200 ft.

27.50 Point of ridge, bears S. descend.

34.50 Same, ravine, course S. E. ascend.

40.25 Set-a-limestone 18 x 14 x 10 ins., 12 ins. in the

ground for 1/2 sec. Cor. marked 100 on Tr. face.

I passed a mound of stone 2 ft. base, 10 ft.

high. N. of cor. Site impracticable.

41.50 Ridge, bear D 70° 31° E. descend 100 ft. to

74.60 Gulch, course N. 3° W. ascend 100 ft.

80.50 The cor. to Secs 13, 14, 21, 27 & 28.

Sand broken.

Subdivisions of Section 13, T. 3 N., R. 2 W.

Drains	Fairly Gravelly & rocky & talus Timber A few scattering cedar Mountainous land S. E. of town September 25, 1894
	General Description The land embraced in my survey in this township is all mountainous mostly covered with a small growth of sagebrush. The timber is scattering scrub cedar and pine with Cottonwood along the East fork of Seven River which runs Northwesterly through Secs. 1, 3, & 4. The town of Kingston is located in the N. E. of Sec. 5, and consists of about one dozen houses. The rocks are mostly sandstone & lava rocks causing considerable local attractions. J. C. Syrett has a house and stable also a quiet mill run by water power in the North West 1/4 Sec. 14 E 1/4 N. E. 1/4 Sec. 15. There is considerable agricultural land in the canons and on the benches south of the Seven River but there is no water for irrigation. D. Sudweeks has a cabin & garden in the S. E. Sec. 13. H. E. DeSoules has a house on the N. W. of Sec. 14. Mr. Barnumman who had D. E. #747 on the N. E. 1/4 S. E. 1/4 of Sec. 5 could not be found, nor any improvements upon the land. There is no mineral found in this township. Walter Glenn is located in T. 30 S. R. 2 W.
	John T. Breckin Comer McCarty U. S. Deputy Surveyor
	Note: On account of cloudy weather during the first three days on survey of this town it was impossible to check the solar for latitude.

Recovery of Subdivision of S. 50 L. T. 3. R. 77

From the cor. to Sec 10.11.14 \$15. which is a Gray Sandstone 10x14x10 ins. above ground marked & witnessed as described by the Surveyor General.	From the cor. to Sec 10.11.14 \$15.
I run	South bet. Sec 14 \$15.
14.00	J. C. Syrett house bears east about 5 chns. 17.20 J. E. Cor. Gran. Mill bears N. 52° E. dist:
24.50	East Fork of Beaver River on the mile Road H. E. De Soules house bears N. 70° E. about 10 chs. dist:
33.00	Common road bears E. 87° W. secnd
40.90	The old 1/4 Sec. Cor. which is a red limestone 6x10x10 ins. above ground marked & witnessed as described by the Surveyor General

From the cor. to Sec 10.11.14 \$15.

I run	
North bet. Sec 10 \$11	
40.58	The old 1/4 Sec. Cor. which is a limestone 6x10x6 ins. above ground marked and witnessed as described by the Surveyor General.
50.72	The cor. to Sec 10. 8. 10 \$11. . Both is a Gray sandstone 8x11x8 ins. secnd marked & witnessed as described by the Surveyor General

Sept 24 1899

From the cor. to Sec 10.16.21 Sec. which
is an iron stone 10x14x8 ins. above ground
marked & witnessed as described by the
Surveyor General

I run	
North bet. Sec 10 \$16.	
41.00	The old 1/4 Sec. Cor. which is an iron stone 6x10x10 ins. above ground. marked and witnessed as described by the Surveyor General.

Resurvey of Subdivision of S. 30 S. R. 3. T. W.

82.25 Ths cor. to Secs. 9. 10. 15. & 16.

S. 26"

J. Breckon
Homer McCarty
C. I. Deputy Surveyors

Volume

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Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by
....., United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of
.....
showing the respective capacities in which they acted:

....., *Chairman*.

....., *Chairman*.

....., *Moundman*.

....., *Moundman*.

....., *Axman*.

....., *Axman*.

....., *Flagman*.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted
....., United States Deputy Surveyor, in surveying all
those parts or portions of the base

and meridian, of which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for

....., *Chairman*.

....., *Chairman*.

....., *Moundman*.

....., *Moundman*.

....., *Axman*.

....., *Axman*.

....., *Flagman*.

Subscribed and sworn to before me this
day of 189 }

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000000
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542-54
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Final Oath of United States Deputy Surveyor.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

_____ of the _____ ba
and _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me this _____
day of _____, 189_____



APPROVAL.

Office of the United States Surveyor General,

Salt Lake City, Utah. March 13, 1899

The foregoing field notes of the survey of *The Subdivisions of Township
30 South Range 3 West of the Salt Lake Meridian, Plat*

executed by *John W. Breckinridge & James D. Clark*
under his contract No. *208*, dated *October 20th*, 1896, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Leob 7373

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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J.W.J.B.

BOOK A-249

FIELD NOTES

OF THE SURVEY OF

South Standard Parallel South, Through
Range 2nd West

30^o 2¹/₂ W

Of the Salt Lake Based Meridian,

State of Utah

AS SURVEYED BY

John T. Breckinridge, Surveyor in Charge, United States Deputy Surveyors

Under his Contract No. 208, dated October 20th, 1896Survey commenced September 26th, 1897Survey completed September 27th, 1897

G-161

Stand (high) m. dis. ltrs -
4-29-40 /

clay - 20-50 /

Names and Duties of Assistants.

C. H. Harrison Chairman

C. H. Harrison Chairman

Lewis Harrison Chairman

Mrs. Hoffman Chairman

Thomas Wallis Deacon & Groundman

✓ Lewis Wallis Deacon & Groundman

For preliminary affidavits see book A-

6-101

6 St. S. - Post-R 3½ W

Length	
Mr. Ch. Ma.	
1- 00- 00 ✓	
1- 00- 00 ✓	
1- 00- 00 ✓	
1- 00- 00 ✓	
29- 00 ✓	
<hr/> 44- 29- 40 ✓	

Area -

2050 ✓

BOOK A-249

INDEX DIAGRAM.

sixth Standard Parallel S.

Township 30 S., Range 2 $\frac{1}{2}$ W.

0	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

Preliminary Oaths of Assistants.

We, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

, Chainm.

, Chainm.

Subscribed and sworn to before me this _____
day of _____, 189 }



We, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

, Moundm.

, Moundm.

Subscribed and sworn to before me this _____
day of _____, 189 }



We, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

, Axm.

, Axm.

Subscribed and sworn to before me this _____
day of _____, 189 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

, Flagma.

Subscribed and sworn to before me this _____
day of _____, 189 }



Sixth Standard Parallel S. R. 2 $\frac{1}{2}$ W.

Survey commenced September 26th 1897, and executed with a Gulley Mountain Trans with solar attachment, Incomplete book "D" Sept. 26th Alt-8° 35' = C. M. L. M. I set of 58.0 ft. Now the Cal. arc, 1°. 30' S. on the decl. arc; and determine a true meridian with the solar at the Standard Cor. to S. 30 S. R. 2 $\frac{1}{2}$ W. as hereinbefore described, and find same checks with meridian established at this cor. Sept. 20th 1897, by Polaris observation. Then I run with Var. 14°. 50' E.

Start on a random line along the Sixth Standard Parallel S. through Range 2 $\frac{1}{2}$ W. and at 4 miles 24.40 chs. intersect the W. bdy. of S. 50 - S. R. 2. W. at 2.0. 50 chs. North of the Standard Cor. to S. 30. S. R. 2 2 $\frac{1}{2}$ W. from which I obliterate all marks pertaining to 2 $\frac{1}{2}$ W. and at point of intersection

Set a trachyte 18x14x8 in., 12 in. in ground for Standard Cor. to S. 30. S. V. 2 $\frac{1}{2}$ W. marked S.C. as N.

30 S. on E. E. S.

2 $\frac{1}{2}$ W. on N. W. with a groove on N. E. faces, and raised a mound of stone 2 ft. base, 12 ft. high. W. of Cor. P. C. impracticable. Then I run

West along S. side of Sec. 36.

Enter scattering cedars & pines, ascend about 500 ft. to

10.30 Point of ridge. Bear N. descend 300 ft. to 20.00 Head of Gulch. courses N. E. ascend 38.00 Foot of Sandstone Bluff. 40 ft. high. ascend 38.20 Top of bluff. Bear NW 2 $\frac{1}{2}$ S. E. ascend gradual.

Difference in measurement of 40.00 chains by two sets of chainmen is 20 lbs. position of middle point.

By 1st set 38.90 chs.

By 2nd set 40.10 chs. the mean of which is 39.50 Set a trachyte 18x12x6 in., 12 in. in the ground for Standard 1/4 Sec. Cor. marked

Sixth Standard Parallel S. W. 2d R. W. Continue

Station	S. C. 1/4 on N. face; and raised a mound of stone 2 ft. base, 15 ft. high. N. of Cor. File impracticable.
41.00	Head of gulch. 30 ft. deep, coarse S. C. Difference between measurements of 80.00 chs. by two sets of Channon is 8 lbs. position of middle point.
151 1st set - 77.76 chs.	By 2nd set 80.04 chs. The mean of which is set a sandstone 30x14x8 ins. 2.5 ins. in the ground for Standard Cor. to Secs 35 & 36 marked S. C. on N. with 5 grooves on W. 2 ft. grooves on E. faces, and raised a mound of stone 2 ft. base, 15 ft. high. N. of Cor. File impracticable.
Land. broken.	
Soil. Rocky. 4 ft. soil.	
Timber. Scattered Cedars & Pines.	
Mountainous land 80 chs.	
September 26" 1894.	
West along S. 1/4 of Sec. 65.	
Scattered mahogany, cedar & pine, ascend 250 ft. to	
7.50	Point of ridge. falls 1; descent 150 ft. to
20.00	Head of gulch. coarse, ascend
23.00	Leaves timber.
	Difference between measurements of 40.00 chs. by two sets of Channon is 12 lbs. position of middle point.
	By 1st set - 67.94 chs.
	By 2nd set - 40.06 chs. The mean of which is
40.00	Set a sandstone 18x16x10 ins. 12 ins. in the ground for Standard 1/4 Sec. Cor. marked S. C. 1/4 on N. face; and raised a mound of stone 2 ft. base, 15 ft. high. N. of Cor. File impracticable.
77.50	Top of mountain, bears NW 1/4 descend gradually
	Difference between measurements of 80.00 chs by two sets of Channon is 16 lbs. position for middle point.

Sixth Standard Parallel S. P. 27th W. Continued

.....	By 1 st set 79.92 chs.
80.00	By 2 nd set 80.08 chs. The mean of which is Set a sandstone 24x14x12 min. 13 min. in the ground for Standard Cor. to Secs 34 & 35 marked S. C. on N. with 2 grooves on E. 4 grooves on W. faces, and raised amount of stone 2 ft. base, 1/2 ft. high. H. of Cor. Pis impracticable.
.....	Land. rolling top of mountain.
.....	Soil. Rocky, & sterile.
.....	Timber. Scattering Mahogany, cedar and pine.
.....	Mountainous land 80. chs.
.....	West along the S. bdy. of Sec. 34. Descend gradually.
24.00	Gulch. 4 chs. wide, 50 ft. deep. course N. E. Enter aspern brush, ascend. Difference between measurements of 40. chs. by two sets of Chaminow 6 chs. position of middle point:
.....	By 1 st set 34.97 chs.
40.00	By 2 nd set 40.03 chs. The mean of which is Set a sandstone 14x12x12 min. 10 min. in the ground for Standard for Sec. Cor. to Secs 34 & 35, on N. faces, and raised amount of stone 2 ft. base, 1/2 ft. high. H. of Cor. 13 ^{1/2} impracticable.
50.00	Enter aspern, thinnest pine.
.....	Difference between measurements of 30. chs. by two sets of Chaminow is 10 chs. position of middle point:
.....	By 1 st set 79.95 chs.
80.00	By 2 nd set 80.05 chs. The mean of which is Set a sandstone 16x12x8 min. 11 min. in the ground, for Standard Cor. to Secs 33 & 34. Marked S. C. on N. with 3 grooves on E. W. faces; from which: A red pine 15 min. in diam. bears N 45° E. 146 ch dist. marked T 30.8 R. 2. pi 97.5. 34. R.T. A red pine 15 min. in diam. bears N 46° W. 26.

With Standard Parallel. S. R. & W. Continue

	Comments	<p>This dist. marked T. 30. S. R. 2d W. S. 33. 13. T. Land, rolling top of mountain. Soil, rocky, 4th rate. Timber, Aspen, Spruce & pine. Mountainous land, 80. chs.</p>
		<p>West along S. Ely. of Sec. 33. Enter Aspen, Spruce & pine, ascend gradually.</p>
10.00		<p>Top of ridge, bears N.E. & S.W. descend 150 ft. to</p>
34.00		<p>Head of gulch, course N.E. ascend. Difference between measurements of 40.00 chs by two sets of chainmen is 8 lbs. position of middle point By 1st set - 39.46 chs. By 2nd set - 40.04 chs. the mean of which is</p>
40.00		<p>Set a sandstone 18x12x8 in. 12 in. in the ground for standard 4 sec. Cor. marked S.C. N.S. on N. face; and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pits impracticable; No bearing tree within limits.</p>
43.00		<p>Top of rocky ridge, bears N.E. & S.W.</p>
43.25		<p>Top of bluff 50 ft. high, loose timber, enter aspen brush, descend.</p>
43.50		<p>Foot of bluff, descend gradually over slid rock. Difference between measurements of 60.00 chs. by two sets of chainmen is 18 lbs. position of middle point By 1st set - 57.81 chs. By 2nd set - 60.04 chs. the mean of which is</p>
- 80.00		<p>Set a timber 18x14x12 in. 12 in. in the ground, for standard Cor. to Secs. 32 & 33, marked S.C. on N. with 4 grooves on E. and 2 grooves on W. faces; and raised a mound of stone, 2 ft. base, 1 ft. high. N. of Cor. Pits impracticable. Land, broken. Soil, rocky, 4th rate.</p>

Sixth Standard Parallel S. P. R. N. W. continued.

names.	<p>Timber. Aspens. Spruce & pine, dense under-growth on last 30.75 chs. Mountainous land 80. chs.</p>
	<p>West along S. side, of Sec. 32. Enter dense aspen brush. Descend gradually over slide rock. Difference between measurements of 29.40 chs by two sets of Chinnies is 4 chs, position of middle point. By 1st set 29.38 chs.</p>
29.40	<p>By 2nd set 29.42 chs. The mean of which is The Standard Con. to U. S. 30 S. P. 2d R. S. N. Land. Broken. Soil. Rocky, with mulch. No timber. Dense aspen brush on 29.40 chs. Mountainous Land 29.40 chs. Note: Sky overcast at noon, making solar observation impossible.</p>

September 27 1892

General Description.
For General Description, see subdivision
of this township.

John W. Peckford
Horner M. Hart
U. S. Hydrographic Surveyor.

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Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by John T. Breckinridge and W. C. Corcoran, McCarty, United States Deputy Surveyors to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Sixth Standard Parallel South, through Range 27th West showing the respective capacities in which they acted:

C. H. Morrison, Chairman, Chas. Bolman, Chairman.
Joseph Johnson, Chairman, Alex. Morrison, Chairman.
Thos. Bates, Moundman.
Joseph Zollig, Moundman.
Thos. Bates, Axman.
Joseph Zollig, Axman.
Joseph Zollig, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John T. Breckinridge and W. C. Corcoran, McCarty, United States Deputy Surveyors in surveying all those parts or portions of the sixth Standard Parallel South, through Range 27th West of the Saline base and meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

C. H. Morrison, Chairman.
Joseph Johnson, Chairman.
Charles Bolman, Moundman.
Alex. Morrison, Moundman.
Thos. Bates, Axman.
Joseph Zollig, Moundman.
Joseph Zollig, Axman.
Joseph Zollig, Flagman.

Subscribed and sworn to before me this 8th
day of November, 1807 }

My commission expires
March 21/1908

Alva, Martin
Notary Public.

Final Oath of United States Deputy Surveyor.

United States Deputy Surveyor.

I solemnly swear that, in pursuance of a contract received from
United States Surveyor General for _____, bearing date of the
day of _____, 189_____, I have well, faithfully, and truly, in my own
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
General for _____, the Manual of Surveying Instructions, and the laws of the
United States, surveyed all the parts or portions of _____

and _____, in the _____ of _____, which are represented in the
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with the
Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for _____, and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1816.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me this _____
day of _____, 189_____.

ccccccc
State
ccccccc

APPROVAL.

Office of the United States Surveyor General,

March 13, 1899

The foregoing field notes of the survey of the North Standard Parallel,
South Meridian, West of the South Park River and
Benton Lake, Utah.

Verified by John R. Reckitt, Assistant Surveyor,
under the contract No. 200, dated October 20th, 1897, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Heath J. T. Blair
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in
has been correctly copied from the original notes on file in this office.

Heath J. T. Blair
United States Surveyor General.

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BOOK A-249

J.W.J.B.

FIELD NOTES

OF THE SURVEY OF

*East & North boundaries of T. 30 S.
R. 2 N. W.*

Of the Salt Lake Baseline Meridian,
State of Utah.

AS SURVEYED BY

John B. French, U.S. Deputy Surveyor

Under ^{this} Contract No. 208, dated October 20th, 1896

Survey commenced September 27th, 1897

Survey completed September 29th, 1897

6-151

E-Balances (high)	M. Obs. Ets.
" " (low)	33.00 ✓ 66.11
N- " (high)	4-28-41 /

Names and Duties of Assistants.

John F. Frisow Chairman

Wm. Botman Chairman

Joseph Zollig Wexman & Moundman

Preliminary affidavits - book B-

6-161

high	305 R 2½ W -	N. Dwy
E. Bdry -	low	high
m. chs. lks.	m. chs. lks.	m. chs. lks.
1- 00- 00 ✓		1- 00- 00 ✓
47- 00 ✓	33- 00 ✓	1- 00- 00 ✓
1- 00- 00 ✓		1- 00- 00 ✓
1- 00- 00 ✓		1- 00- 00 ✓
1- 00- 00 ✓		28- 41 ✓
1- 04- 10 ✓		
<hr/> 5- 51- 10 ✓	33- 00 ✓	4- 28- 41 ✓

BOOK A-249

INDEX DIAGRAM.

Township , *Range*

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page

Preliminary Oaths of Assistants.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

....., Chainman

....., Chainman

Subscribed and sworn to before me this }
day of, 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman

....., Moundman

Subscribed and sworn to before me this }
day of, 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey

....., Axman

....., Axman

Subscribed and sworn to before me this }
day of, 189 }



I, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman

Subscribed and sworn to before me this }
day of, 189 }



East-bound

J. S. O. J. R. 2nd W.

Drains.

Survey commenced Sept. 27-1897, and executed with Gurley Surveyor's Transit with solar attachment. For complete text see Book Q. 3

From the Standard Cor. to J. S. O. J. R. 2nd W. as heretofore described. At 7:50 A.M. C. M. L. I set off 38° 08' on the lat. arc; 1° 55' on the decl. arc, and determine a true meridian with the solar.

Then I run

North along the E. bdy. of Sec. 36.

Descend in scattering Cedars & Pines.

19.00 Thru $\frac{1}{4}$ dec. cor. bet. secs 31 & 36. no heretofore described. I destroy all marks pertaining to sec. 36.

24.90 Gulch 80 ft. deep. course N. E. ascend.

31.50 Ridge. bears N. E. descend.

40.00 Lt-a tract to 16x12x6 ins. 11 min. in the ground for $\frac{1}{4}$ dec. Cor. marked $\frac{1}{4}$ on N. face; for Sec. 36. and raised a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable.

44.90 Gulch 50 ft. deep. course N. E. ascend.

51.00 Ridge bears N. E. descend.

53.00 Gulch. 50 ft. deep. course N. E. ascend.

57.90 Thru cor. to secs 25-30-31 & 36. no heretofore described. I destroy all marks pertaining to Secs 25-30-31.

58.40 Ridge. bears N. E. descend.

60.00 Lt-a tract to 16x14x10 ins. 12 min. in the ground for Cor. to Secs 25-30-31 & 36. marked 2 notches on S. and 5 notches on N. edges; and raise a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable. and broken.

Soil. Rocky & Gravelly. 5th rate.

Timber. Scattering Cedars & Pines.

Morainic land 80 chs.

North along E. bdy. of Sec. 25.

Descend.

5.20 Gulch. 60 ft. deep. course N. E. ascend.

East boundary of T. 30-S. R. 26 W. Cont.

chain 10.20	Ridge. bears N. E. descend.
11.90	Foot of ridge. descend gradually.
12.80	Wire fence. bears S. 97° E. 1. E.
14.90	The $\frac{1}{4}$ sec. Con. lot. has 25' E. of 30. which is a flint-rock 6 x 2 x 6 ins. above ground. marked and returned as described by the Surveyor General. I destroy all marks pertaining to Sec. 25.
15.10	Enter bottom
15.30	Scenic River. so the mds. off. desc. flows N.
16.00	Let a trench 16 x 10 x 6 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. Con. to Sec. 25. marked $\frac{1}{4}$ on W. face; dug pit 16 x 10 x 2 ins. N.E. of stone 3 ft. dist. and raised a mound of earth 3 $\frac{1}{2}$ ft. base. 1 $\frac{1}{2}$ ft. high. N. of Con. fence bears E. E. of N.
17.80	House bears N. about 3.50 chs.
18.00	Road. bears E. E. of N. leaves bottom. ascend.
18.90	The Con. to Secs 19, 24, 25 & 30 as heretofore described. I destroy all marks pertaining to Secs 24 & 25.
19.10	Dry wash 20 ft. wide. 2 ft. deep. course S. W.
20.10	Ascend. enter scattering Cedars & pines.
20.00	Point of ridge ^{top high} . bears S. W. descend.
20.40	Gulch. course S. W. ascend.
20.80	Let a limestone 16 x 14 x 8 ins. 11 ins. in the ground for Con. to Secs 24 & 25. marked 2 notches on S. and 4 notches on N. edges; and raised a mound of stones 2 ft. base. 1 $\frac{1}{2}$ ft. high. N. of Con.
21.00	12 pines 10 ins. in diam. bears S. 35° S. W. 45° E. dist. marked T. 30. S. 1. E. 2. W. 5. 24. D. T.
21.20	12 pines 12 ins. in diam. bears N. 11° S. W. 160° E. dist. marked T. 30. S. 1. E. 2. W. 5. 24. D. T.
	Land broken and bottom.
	Soil. Generally E. Rocky & sandy.
	Timber. Scattering Cedars & pines.
	Mountainous land 14 chs.

East-bound

T. 30. S. R. 24. W. Continued.

North along E. bdy. of Sec. 24.

Ascend in scattering cedars & pines.

0.40 Point of ridge. bears S. W. descend.

5.10 Gulch. course S. W. ascend.

15.10 Thru $\frac{1}{4}$ Sec. Cor. bet: Secs 19 & 24. I destroy all marks pertaining to Sec. 24.

38.60 Ridge. bears N. E. & S. W. ascend.

40.00 Set a trachyte 24x12x10 ins. 18 ins. in the

d for $\frac{1}{4}$ Sec. Cor. to Sec. 24. marked $\frac{1}{4}$ on
W. face; and raised a mound of stone 2 ft.
base. $\frac{1}{4}$ ft. high. W. of Cor. Pilis impracticable.

44.10 Point of ridge. falls W. descend.

47.80 Gulch. course W. ascend.

49.60 Point of ridge. falls S. W. descend.

51.40 Gulch. course S. W. ascend 200 ft.

55.10 Thru Cor. to Secs 13, 18, 19 & 24. as heretofore
described. I destroy all marks pertaining
to Secs 18 & 24.

63.10 Ridge. bears N. E. & S. W. descend 200 ft.

73.10 Gulch. course S. W. ascend.

80.00 Set a trachyte 16x12x6 ins. 11 ins. in the
l for cor. to Secs 13 & 24. marked 3.notches on N. & S. edges; and raised a mound
of stone 2 ft. base. $\frac{1}{4}$ ft. high. W. of Cor.
Pilis impracticable.A fmw 10 ins. in diam. bears N 89° 00' W 81° 00'
dist. marked T. 30. S. R. 24. W. 5. 24. 13. T.A fmw 15 ins. in diam. bears N 76° 30' W 62° 00'
dist. marked T. 30. S. R. 24. W. 5. 13. 13. T.

Land. broken.

Soil. Gravelly & rocky. 3 strati.

Timber. Scattering cedars & pines.

Mountainous land 80 chs.

North along E. bdy. of Sec. 13.

Ascend in scattering cedars & pines.

1.90 Ridge. bears N. W. & S. E. descend.

11.50 Gulch 100 ft. deep. course S. E. ascend.

15.10 Thru $\frac{1}{4}$ Sec. Cor. bet: Secs 13 & 18. as heretoforedescribed. I destroy all marks pertaining to
Sec. 13.

East boundary of T. 30. S. R. 24. W. Continued.

Chain 25.10	Ridge. bears N. E & S. W. thence along W. slope of ridge.
40.00	Set a Sandstone 16x14x8 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. Cor. to Sec. 13. marked $\frac{1}{4}$ ins W. face; from which A cedar 8 ins. in diam. bears $42^{\circ} \text{ W. } 3 \text{ lbs.}$ marked $\frac{1}{4}$ S. 13. T.
	A cedar 24 ins. in diam. bears $30^{\circ} \text{ W. } 20 \text{ lbs.}$ dist. marked $\frac{1}{4}$ S. 13. T.
43.20 55.10 56.50	Point of ridge. bears W. descend. The following 12.35.18. destroy all marks pertaining to Sec. 12 & 13. Dulch! course W. thence ascending along E. side of Canon.
80.00	Set a trachyte 18x12x8 ins. 12 ins. in the ground for cor. to Sec. 12 & 13. marked 4 ins on S. & 2 notches on W. edges; and raised a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high. W. of Cor. Pits impracticable. Land. broken. Soil. Granular & rocky, 3-4 in. Timber. Scattering Cedars & pines. Mountainous land 80. chs.
	North along the E. bdy. of Sec. 12. Enter scattering cedars & pines. ascend Thru $\frac{1}{4}$ sec. Cor. betw. Secs 7 & 12. as heretofore described. I destroy all marks pertaining to Sec. 12.
15.10	Dry wash so chs wide. 20 ft. deep. course S. W.
18.10	Set a trachyte 20x10x8 ins. 15 ins. in the
40.00	ground for $\frac{1}{4}$ sec. Cor. to Sec. 12. marked $\frac{1}{4}$ ins W. face; and raised a mound of stone. 2 ft. base. 1 $\frac{1}{2}$ ft. high. W. of Cor. Pits impracticable,
55.10	Thru Cor. to Secs 11. 6. 7. & 12. as heretofore de- scribed. I destroy all marks pertaining to Secs 1 & 12.
65.20	Bottom of Canon. course S. W. ascend.
72.10	Point of ridge. 50 ft. high. bears E. descend.
75.40	Same Canon. course S. E. ascend steep rock slide.
80.00	Set a trachyte 18x14x10 ins. 12 ins. in the ground for cor. to Secs 1 & 12 marked & noted

East-bound of S. 30-1.R. 2 $\frac{1}{2}$ W. Continued.

on S. and 1 notch on N. edges; and raise a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high W. of Cor. Pits impracticable.
Land. broken.
Soil. Gravelly & Rocky. 3 $\frac{1}{2}$ rods.
Timber. Scattering Cedars & pines.
Mountainous land 80. chs.

North along the E. bdy. of Sec. 1.

Ascend steep hillside, in scattering Cedars & pines.

15.10 Top of ridge 200 ft. high. bears S. W.
Thru sec. Cor. betw Sec 1 & 6. as heretofore described. I destroy all marks pertaining to Sec. 1.
Descend. leave cedars & pines.

37.50 Same Canon, course S. W. ascend.
Set a tractory to 16 x 15 + 9 rods. 11 rods. in the ground for $\frac{1}{4}$ sec. Cor. to Sec. 1. marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high. W. of Cor. Pits impracticable.

62.70 Tho Cor. to Sps 29 & 30 S. R. 2 $\frac{1}{2}$ W. as heretofore described. I destroy all marks pertaining to R. 2 $\frac{1}{2}$ W.

80.00 Set temporary Cor. to Sps 29 & 30. R. 2 $\frac{1}{2}$ W. which on Sept: 29" I destroy and establish at

84.10 Tho Cor. to Sps 29 & 30 S. R. 2 $\frac{1}{2}$ W. as described in survey of N. bdy. of S. 30. S. R. 2 $\frac{1}{2}$ W.

Land. broken.

Soil. Gravelly & Rocky. 3 $\frac{1}{2}$ rods.
Timber. Scattering Cedars & pines.
Mountainous land 84.10 chs.

Sept 27" 1897.

North Boundary of T. 30. S. R. 2 $\frac{1}{2}$ W.

Chains	<p>Sept. 25th 1897. At 8$\frac{1}{2}$:20 = A. M. C. m. t. I. set off 58° 14' on the lat. arc; 2° 15' S. on the decl. arc; and determine a true meridian with the solar. at the ... Cor. to Chs 29$\frac{1}{2}$ 30 S. R. 2$\frac{1}{2}$ 3 W.</p> <p>Thence I run</p> <p>East on a random line along N. side of T. 30 S. R. 2$\frac{1}{2}$ W. and at 4 miles (28.41 chs.) I entered 4.10 chs. S. of the temporary Cor. to Chs 29$\frac{1}{2}$ 30 S. R. 2$\frac{1}{2}$ W. which I destroy and at point of intersection set a sandstone 16x10x8 ins. 11 ins. in the ground for Closing Cor. to Chs 29$\frac{1}{2}$ 30 S. R. 2$\frac{1}{2}$ W. marked C.C. 2$\frac{1}{2}$ W. on N.</p> <p>24 S. on N. E.</p> <p>30 S. on S. with 6 grooves on N. S. & W. faces; and raise a mound of stone 2 ft. base. 1$\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable.</p> <p>Thence I run</p> <p>West on a true line bet. Secs 1 & 56.</p> <p>Ascend gradually.</p> <p>1.00 Top of mountain. bears N.E. & S.W. descend.</p> <p>40.00 Set a trachyte 16x14x8 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base. 1$\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable.</p> <p>48.20 Canyon. comes S. about 600 ft. below top of mountain. ascend 600 ft.</p> <p>57.50 Top of ridge. bears N. & S. W. descend 600 ft.</p> <p>77.00 Head of ravine. comes S. Thence S. W. ascend 50 ft. to</p> <p>80.00 Set a trachyte 18x16x10 ins. 12 ins. in the ground for cor. to Secs 1-2-35-56. marked 1 notch on E. & 5 notches on N. edges; and raise a mound of stone 2 ft. base. 1$\frac{1}{2}$ ft. high N. of Cor. Pits impracticable.</p> <p>End. broken.</p> <p>Soil. Gravelly & rocky, 3rd sal. No timber.</p> <p>Mountainous land 80 chs.</p>
	Sept. 28 th 1897.

North bound of S. 30. S. R. 2 $\frac{1}{2}$ N. W. Continued.

	Meet on a true line bet. Secs 2 & 3 - Ascend 100 ft. to -
6.50	Ridge. bears N. E. & S. W. Enter scattering Cedars & pines. descend.
40.00	Set a trachyte 16x14x10 mis. 11 mis. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, $\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable.
55.00	Head of ravine. course S. ascend to
80.00	Set a trachyte 18x14x10 mis. 12 mis. in the ground for Cor. to Secs 2-3-34. $\frac{1}{3}$ mis. marked 2 notches on E. & 4 notches on W. edges; and raised a mound of stone 2 ft. base, $\frac{1}{2}$ ft. high. W. of Cor. Pits impracticable. Land. broken. Soil. Rocky. 4 terraces. Lumber. Scattering Cedars & pines. Mountainous land 80 chs.

	Meet on a true line bet. Secs 3 & 34. Ascend in scattering Cedars & pines.
23.50	Lop of ridge. bears N. E. & S. W. descend.
40.00	Set a trachyte 12x9x8 mis. 8 mis. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, $\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable.
57.00	Wood road. bears N. E. & S. W.
57.50	Fork of same road. bears N. E. & S. W.
72.10	Gulch. course S. from N. E. ascend.
80.00	Set a sandstone, 18x14x8 mis. 12 mis. in the ground for Cor. to Secs 3-4-35 & 34. marked 3 notches on E & W. edges; from which A cedar 10 mis. in diam. bears $461^{\circ} E. 39^{\circ} N.$ dist. marked T. 29. S. R. 2 $\frac{1}{2}$ N. S. 34. 13. T. A pine 10 mis. in diam. bears $57^{\circ} E. 37^{\circ} N.$ dist. marked T. 30. S. R. 2 $\frac{1}{2}$ N. S. 3. 13. T. A cedar 15 mis. in diam. bears $57^{\circ} E. 30^{\circ} N.$ dist. marked T. 30. S. R. 2 $\frac{1}{2}$ N. S. 4. 13. T. A pine 18 mis. in diam. bears $57^{\circ} E. 30^{\circ} N.$ dist. marked T. 29. S. R. 2 $\frac{1}{2}$ N. S. 33. 13. T. Land. broken.

North bound of T. 30. R. 2 $\frac{1}{2}$ W. Continued.

To sq. 4th ratio.

Scattering Cedars & pines.

Mountainous land 80. chs.

Sept-29" 1897. At this Cor. I set off 2° 48' S. in the decl. arc; and at 12^h M. C. m. b. observing the sun on the meridian, the resulting lat. is 38° 15' N.

West on a true line bet. Secs 4 & 33.

Entire Cedars & pines. ascend.

.40 Ridge. bears N. E. S. descend.

8.00 Head of gulch 100 ft. deep. course S. ascend.

12.50 Ridge. bears N. E. S. descend.

17.00 Head of gulch. 150 ft. deep. course S. ascend.

21.50 Ridge. bears N. E. S. descend.

26.00 Head of gulch. course S. ascend.

30.00 Ridge. bears N. E. S. W. descend.

40.00 Set a sandstone 14x10x6 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face; from which

A pine 8 ins. in diam. bears S 59° E. 21 ft. dist. marked $\frac{1}{4}$ S. B. T.

A pine 10 ins. in diam. bears S 76° 30' W 18 ft. dist. marked $\frac{1}{4}$ S. B. T.

48.70 Canyon 600 ft. below ridge. course S. W. ascend.

51.10 Point of ridge 300 ft. high. falls S. descend.

80.00 Set a trachyte 16x12x10 ins. 11 ins. in the ground for Cor. to Secs 4. 5. 32 & 33. marked 4 notches on E. & 2 notches on W. edges; from which

A cedar 8 ins. in diam. bears S 86° E. 6 ft. dist. marked T. 29. S. R. 2 $\frac{1}{2}$ W. 5. 33. B. T.

A cedar 18 ins. in diam. bears S 12° 40' E 20 ft. dist. marked T. 30. S. R. 2 $\frac{1}{2}$ W. 5. 4. B. T.

A cedar 18 ins. in diam. bears S 64° W 28 ft. dist. marked T. 30. S. R. 2 $\frac{1}{2}$ W. 5. 5. B. T.

A pine 10 ins. in diam. bears N 69° W 23 ft. dist. marked T. 29. S. R. 2 $\frac{1}{2}$ W. 5. 32. B. T.

Land. broken.

Soil. Rocky. 4th ratio.

North

of S. 30. S. R. 2. 2. W. Continued

Limber. Cedar & pine.
Mountainous land 80 chs.

- on a true line belt: sec 5 1/32.
 Enter Cedars & pines. ascend 50 ft.
 2.20 Rocky point: falls S. W. descend.
 10.00 Carbon. course S. ascend.
 18.20 Ridge. 200 ft. high. bears N.E. S. descend.
 27.20 Gulch. course S.E. ascend to
 28.41 The Cor. to Lps 29 1/30 S. R. 24 1/35. W.
 Land. broken.
 Soil. Rocky. 4 thrate.
 Mountainous land 28.41 chs.

September 2 - "1899.

Boundaries S. 30 S. R. 2h. W.

des dénariers Clésines émiss.

Line designated	True bearing	Distance	Latitude		Spanning	
			North	South	East	West
Sixth Standard Parallel	East	349.40			349.40	
East-boundary	North	484.10	484.10			
North boundary	West	348.41				348.41
West-boundary	South	483.50	483.50			
Convergency						57
			484.10	483.50	349.40	348.48
			483.50		348.98	
					348.98	
Error in lat.: .60			.42 Error in Def.			

Noli: For General Description see Sub-division of this township.

John T. Breckinridge
Gormy McCarley
T. J. Deputy Surveyors.

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Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

_____, of the _____ base and _____ meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 _____ }



I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

of the _____ base and _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me this _____ day of _____, 189_____



APPROVAL.

Office of the United States Surveyor General,

At Park City, Ut., March 13, 1899

The foregoing field notes of the survey of the East & South Boundaries of Iron County, So. & South Range 2nd West of the Salt Lake Base Line, Utah

executed by *John H. Meekers and Dennis M. Cartier*,
under his contract No. 205, dated *October 20th, 1896*, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Ja 20 1897

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-249

W.J.B.

FIELD NOTES

OF THE SURVEY OF

Subdivision of 17.30. & 17.31. T. 14 N.Of the Salt Lake Meridian,State of Utah.

AS SURVEYED BY

John J. Breckinridge Commissary, United States Deputy Surveyor,Under this Contract No. 208, dated October 20, 1896Survey commenced September 29, 1897Survey completed October 4, 1897

6-151

Scavo - (high) 44-26-33 ✓ m. ch. 116-
" (low) 1-53-69 ✓ " "

Names and Duties of Assistants.

Alex. Morrison Chairman

C. E. Morrison Chairman

Joseph Bohman Chairman

Chas. Bohman Chairman

Thomas Bates Recman & Groundman

Frederick Zollig Recman & Groundman

Preliminary affidavits on book C-

BOOK A-249

INDEX DIAGRAM.

Township 130 S., Range 26 W.

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Meanders Page.....

Preliminary Oaths of Assistants.

WE, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by striking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman.

, Chainman.

Subscribed and sworn to before me this }
day of , 189 }
.....

OOOOOO
O SEAL O
OOOOOO

WE, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this }
day of , 189 }
.....

OOOOOO
O SEAL O
OOOOOO

WE, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this }
day of , 189 }
.....

OOOOOO
O SEAL O
OOOOOO

I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this }
day of , 189 }
.....

OOOOOO
O SEAL O
OOOOOO

586-A

Secto-

BOOK A-249

high
low
M-Cho. 114. M-Cho. 114. - M-Cho. 114.
1- 00-00 ✓
1- 00-00 ✓
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28-84 ✓
1- 03-60 ✓

44-26-33 ✓ 1-53.69 ✓
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Surveys made on Sept. 29, 1897, continued

Survey commenced Sept. 29, 1897, and
continued with a Gurley Mountain Survey
with solar attachment at Gurley Surveyor
station with solar attachment.

At the Standard Con. to Sec's 35 & 36 on
S. side of Cr. as hereinbefore described, in
Latitude $38^{\circ} 0' 0''$ N. Longitude $112^{\circ} 5' 0''$ W.
at 6^h 50^m P.M. I set-off $38^{\circ} 0' 0''$ N. on
the lat. arc; $2^{\circ} 47' 5''$ S. on the decl. arc;
and mark the true meridian. This
determined with the solar by a cross
on a stone firmly set in the ground
5' chs. N. of the corner.

At 6^h 57^m P.M. I. m. t. I observe
Polaris at its eastern elongation in
accordance with instructions in the
manual and mark the line. This
determined by a back in a flag oblique
on the ground 5' 0" chs. N. of my
station.

Sept. 29" 1897

Sept. 30. At 7^h 00^m A.M. I. m. t. I lay
off the azimuth of Polaris $1^{\circ} 54'$ to the
west and mark the true meridian thus
determined by cutting a small groove
in the stone set Sept. 29" on which the
true meridian falls 0.3 min. to the west
of the mark determined by the solar.
At 7^h 40^m A.M. I. m. t. I set-off $58^{\circ} 0' 0''$
on the lat. arc; $3^{\circ} 0' 5''$ S. on the decl. arc;
and mark the true meridian determined
by the solar by a cross on the stone
already set 15' 0" chs. N. of my station.
The mark falls 0.4 min. west of the
true meridian established by the Polaris
observation.

The solar apparatus by P. M. and
A. M. observations defines positions for
true meridians about $0.16'$ east and
 $0.21'$ west of the meridian established
by the Polaris observation. therefore I

Subdivision of V. 30. I. R. 24. T. 2.

chains	Conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian at 8h 20m A.M. is N. 14° 59' 41" W. angle thus determined, reduced by the table 100, gives the mean mag. decl. 14° 56' E.
	Traces I saw No. 01 N. lat. sec. 35 3/4 36.
	Enter scattering cedars & mahogany ascend
9.00	Top of ridge of mountain. bears N. 63° W.
17.00	Leave mahogany. descend steep slope
40.00	Set a trachyte 20 x 10 x 8 mm. 15 mm. on the ground. for 14 sec. cor. marked 14 sec. N. face and caused a mound of stones 2 ft. base. 15 ft. high N. of Cor. Pts. impracticable
50.00	Leave cedars.
76.00	Enter spruce 3/4 cedar.
80.00	Set a trachyte 14 x 10 x 6 mm. done on the ground. for cor. to sec. 25. 26. 35 3/4 36. marked 1. notch on S. and notch on E. edges; from which a pine 16 mm. on diam. bears N. 76.2° 45' E. 117' dist. marked T. 30. S. R. 24 N. S. 25. B. T.
	A pine 18 mm. on diam. bears S. 6° 15' E. 31.00 ft. dist. marked T. 30. S. R. 24 N. S. 26. B. T.
	A pine 8 mm. on diam. bears S. 43° 10' W. 30.00 ft. dist. marked T. 30. S. R. 24 N. S. 25. B. T.
	A pine 9 mm. on diam. bears N. 88° 15' W. 28.00 ft. dist. marked T. 30. S. R. 24 N. S. 26. B. T.
	Land. high mountain.
	Soil. rocky, 4" soil.
	Timber. Scattering Cedars & Pine.
	Mountainous land 80 chains.
	East on a random line lat. sec. 25 3/4 36.
40.00	Set temporary 1/4 sec. cor.
50.00	Intersect E. side of M. at Cor. to sec. 25 3/4 36. Bounding described
	Traces I saw
	West on a true line lat. sec. 25 3/4 36.
	Ascend

Subdivision of U.S. S. Kader M. Continued.

Chains.	
10.00	Gulch. course N. 10° E. enter cedar ascend.
14.00	Ridge. bears N. E. descend.
17.00	Gulch. course N. E.
25.00	Ridge. bears N. E. 3° W. descend.
37.50	Gulch. course N. E. ascend.
40.00	Set a trachyte 18x14x6 ins. 12 ins. in the ground for 1/4 sec. Con. marked by on N. face, and raised a mound of stone 2 ft. base. 1 ft. high. N. of Con. Pts. impracticable. Thence over north slope of mountain to the con. to secos 25-26-35-36.
80.00	Land. Broken.
	Soil. Gravelly & rocky. 3 in. halo.
	Timber. Shifting Cedars.
	Coniferous land 80. chs.

	Frs. 01 W. Ref: secos 25-36.
8.50	Enter scattering Cedars 2 ft. ins. descend.
	Ravine. course N. E. second.
15.00	Front of ridge. bears N. E. descend.
17.00	Ravine. course N. E. ascend.
27.00	Ridge. bears N. E. 3° W. descend.
39.75	Ravine. course N. E. thence W.
40.00	Set a trachyte 14x12x6 ins. 9 ins. in the ground for 1/4 sec. Con. marked by on N. face, from which.
	A cedar 10 ins. in diam. bears N. 4° E 88 lbs. dist: marked by S. 13. T.
	A cedar 14 ins. in diam. bears N. 8° 47' 53" E. Lbs. dist: marked by S. B. T.
	Second. along W. side of ravine.
52.00	A front of ridge. bears E. leave timber.
61.00	Enter bottom.
74.00	East Fork of Beaver River. 78 lbs wide. flows W.
80.00	Set a sandstone 16x12x8 ins. 11 ins. in the ground for con. to secos 23-24-25-26. marked 2 notches on S. and 1 notch on E. edges; and raised a mound of stone 2 ft. base. 1 ft. high. W. of Con. Pts. impracticable.
62.00	Land. Broken at bottom.
78.00	

4
Subdivisions of G.O.S. Park M. Comm.

Chains	Soil: Gravelly & rocky slate. Timber: Cedars & pines Mountainous land 62 chs.
30.00	East - on a random line bet. Secs 24 & 25
80.00	Sgt. Lapham's S. line con. to sec 24 & 25, hereabouts described
2.00	Then I run
West - on a line line bet. secs 24 & 23.	
2.00	Enter scattering cedars & pines descend 50 ft.
2.00	Gulch - course S. ascend 60 ft.
5.00	Point of ridge bears S. descend
14.10	Rocky gulch 100 ft. deep course S. ascend
20.00	Point of ridge bears S. descend
28.00	Gulch 150 ft. deep course S.
32.00	Ascend
37.00	Rocky point - bears S. descend.
40.00	bet a trachyte 3.6 x 1.0 x 8 mns. 27 mns on the ground for 1/4 sec. Con marked from Dr. face from which
	A pine 10 mns. in diam. bears N 54° 20' E
	77 chs. dist - marked 14.5. 13. T.
	A pine 10 mns. in diam. bears N 84° 40' E
	29 chs dist - marked 14.5. 13. T. leave cedars & pines
70.00	Enter bottom
72.10	Canyon road. bears N N E 1/4 E.
80.00	The con. to Secs 23, 24, 25 & 26.
	Land broken,
	Soil: Rocky & Gravelly & natural
	Timber: Scattering Cedars & pines
	Mountainous land 50 chs.
	Wd: 01 OV. bet. secs 23 & 24.
	Ascend gradually over bottom
17.20	Canyon road. bears N N E 1/4 E.
17.80	Walter Gleason's house bears N 10° 30' W
20.50	Leave bottom ascend
27.00	Point of ridge 200 ft. high bears N. descend
37.00	Gulch course N. Ascend in scattering Cedars.
40.00	bet a trachyte 1.6 x 1.2 x 8 mns. 11 mns on the ground for 1/4 sec. Con marked from Dr. face from which

Subdivisions of C. S. & P. R. R. W. Contained

Chains.	At pine. 8 ins. in diam. bears N. 40° 50' E. 54 lbs. dist. marked 14. S. B. T.
	At cedar. 10 ins. in diam. bears S. S. 3° S. 0' W. 49 lbs. dist. marked 14. S. B. T.
	Ascend along E. slope of hill ridge. Set a limestone 20x10x5 ins. 15 ins. in the ground for Cor. to Secs. 13. 14. 23 & 24, marked 3 molches on S. E. on top on E. edges; and raised a mound of stone 2 ft. base, 12 ft. high. N. of Cor. Pts. impracticable.
80.00	Land. broken & bottoms.
59.50	Soil. Rocky & gravelly. 4 feet.
20.50	Timber. Scattering Cedars.
	Mountainous land. 59.50 chs
	East. on abandoned line bet. Secs 13 & 24. 40.00 Lat. temporary M. Sec. Cor.
79.70	Entered E. side of Th. 46 lbs. 1/4 of Cor. to Secs. 13 & 24. Recently described steeper than
	184° 40' W. on a line 6 ins. bet. Secs 13 & 24.
	Enter scattering Cedars & pines. ascend 80 ft. Ridge. bears S. W. 8 1/2°. N. descend 200 ft.
5.00	Julab. course 17° N. ascend.
26.00	Point of ridge. 50 ft. high. bears S. W. descend
29.30	Ravine. course S. ascend 50 ft.
36.90	Course S. ascend 50 ft.
38.00	Flat-top of ridge, bears S.
39.85	Set a limestone 20x16x12 ins. 15 ins. in the ground for M. Sec. Cor. marked 4 on N. face; and raised a mound of stone 2 ft. base, 12 ft. high. N. of Cor. Pts. impracticable. Descend from flat ridge 50 ft. to
44.00	Ravine. course S. S. ascend 400 ft. to
57.00	Th. Cor. to Secs 13. 14. 23 & 24.
79.70	Land. broken.
	Soil. Gravelly & rocky 3 feet.
	Timber. Scattering Cedars & pines.
	Mountainous land. 79.70 chs.
	Sept. 30 At this cor. I set off 3° 0' 7" S. on the decline; and at 12 m. l. m. S. observe the sum on the meridian the resulting lat. is 38° 12'

Subdivision of N. 30 & R. 34 W. Coster

Chains	<p>N 30° 01' W. lat. Sec 13 E 1/4. Ascend along E. slopes Point of ridge bears E. enters a small valley 2 ft. cedar descend. Gulch course E. Then S. E. ascend. Point of ridge 80 ft. high bears E. descend. Gulch course E. ascend. Set a trachyte 18x16x10 cm. 12 m. on the ground for sec. cor. marked 1/4 on N. face, from which A fm. 12 m. in diam. bears T. 36° 30' N. dia. marked 1/4 S. E. 13. T. a fm. 10 m. in diam. bears S. 24° E. 30' N. dia. marked 1/4 S. E. 13. T. Point of ridge 75 ft. high bears E. descend. Gulch course E. Ascend. Point of ridge 100 ft. high bears S. E. descend. Gulch course S. E. ascend. Point of ridge 100 ft. high bears S. E. descend. Ravine course S. E. ascend along E. side of Ravine. Set a trachyte 18x10x8 m. 12 m. in the ground for cor. to Secs 11, 12, 13 E 1/4. marked 4 notches on S. E. 1 notch on E. edges; from which A fm. 8 m. in diam. bears N. 62° 40' E. 26' N. dia. marked T. 30. S. R. 26. M. S. 12. B. T. A fm. 10 m. in diam. bears S. 9° 15' E. 47' N. dia. marked T. 30. S. R. 26. M. S. 13. B. T. A fm. 12 m. in diam. bears S. 8° M. 9' N. dia. marked T. 30. S. R. 26. M. S. 14. B. T. A fm. 8 m. in diam. bears N. 62° M. 8' N. dia. marked T. 30. S. R. 26. M. S. 11. B. T. Soil broken.</p>
	<p>Soil. Gravelly & rocky & gravelly timbered & littered. Cedar & Pine Mountainous land 80 chs.</p>
40.00	<p>N 30° 10' E. on a random line bet. Secs 12 & 13 Set temporary to Sec Cor.</p>
79.96	<p>Intersect E. edge of 1/4 of the N. of cor. to Secs 12 & 13. Previously described (see page 9 page)</p>

Saturation of T. 50. S. R. 24 N. Continued.

	880' 56' W. on a bank. Diam. 12 ft. 13.
3.00	Scattered cedars & pines. ascend 60 ft.
17.00	Canyon, course S. ascend 250 ft.
29.00	Ridge. bears N. E. S. descend
32.50	Head of Gulch, course S. W. ascend
37.98	Point of ridge, bears S. descend Set-a-trap - 16 x 18 x 7 ins. 11 ins. in the ground for 1/4 sec. Cor. marked 14 on W. face from which
	A pine 8 ins. in diam. bears S. 60° W. 34 lbs dist. marked 14. S. B. T.
	A pine 8 ins. in diam. bears N. 18° W. 60 lbs dist. marked 14. S. B. T.
41.0.40	Gulch, course S. E. ascend 50 ft.
41.50	Ridge. bears N. E. S. descend
52.00	Gulch 100 ft. deep, course S. ascend
58.00	Ridge. bears N. E. S. descend
66.50	Gulch 150 ft. deep, course S. S. W. ascend.
78.60	Point of ridge. bears S. descend 70 ft. to the cor. to secs 11, 12, 13 & 14.
79.26	Land. broken. Soil. Gravelly & rocky, 3 rd state. Timber, scattering, cedars & pines.
	Mountainous land. 79. 96. obs.

Wd. at N. E. cor. Secs 11 & 12.

Scattered cedars & pines. ascend along
E. side of ravine.

24.00 Point of Ravine. Course S. E. from N. E. cor.
from N. E.

36.00 Point of Ridge 3.00 ft. above sec. cor. bears S. S. S. S.
descend

39.60 Ravine 100 ft. deep, course S. W. ascend

40.00 Set-a-trap - 18 x 12 x 4 ins. 12 ins. in the ground
for 1/4 sec. Cor. marked 14 on W. face, from which

A pine 12 ins. in diam. bears S. 48° W. 83 lbs. dist.
marked 14. S. B. T.

A pine 18 ins. in diam. bears N. 3° W. 152 lbs.
dist. marked 14. S. B. T.

57.20 Ridge 4.00 ft. above ravine. bears N. 3° E.
A W. descend

Subdivisions of C. 20. S. 6. T. 11. Lat.

	Chains 61.40	Gulch, course N. ascend. Point 115' and 100 ft. high above N. bedrock.
	67.30	Gravel, course N. ascend.
	74.00	Gravel, course N. ascend.
-	80.00	Set a foundation 2.714 + 8 cm. 10 m. from the ground for concrete sec. 3.11 for making 5 notches on the 31 marks on E. edge, from which:
		A cedar 2.4 m. in diam. bears N. 46° E. 4.7 lbs dist. marked T. 30. S. R. 24. M. 5. 1. B. T.
		A pine 1.0 m. in diam. bears S. 26° E. 1.5 lbs marked T. 30. S. R. 24. M. 5. 1. B. T.
		A pine 1.2 m. in diam. bears S. 22° E. 0.754 lbs dist. marked T. 30. S. R. 24. M. 5. 1. B. T.
		A pine 1.2 m. in diam. bears N. 5° E. 0.754 lbs dist. marked T. 30. S. R. 24. M. 5. 1. B. T.
		Land, broken.
		Soil: Gravelly & rocky 3rd ratio.
		Timber: scattering Cedars & Pines.
		Mountainous land 80. obs.
	40.00	N 89° 56' E. on a random line bet. sec. 1 & 12. S. cl. temporary by sea. cor.
	79.82	Entered E. side of sp. 9 lbs N. of cor. to sec. 1. & 12. hereinafter described thence S. down
		West on a true line bet. sec. 1 & 12.
		Enter scattering Cedars & Pines, descend 100 ft
	11.40	Cottonwood, course S. E. ascend 300 ft
	50.00	Top of ridge of mountain, bears N. 21° E. descend gradually
	59.26	Set a trachyte 1.681.4 + 6 cm. 11 m. on the preceding for 1/4 sec. cor. marked 10.0 m. S. face and raised a mound of stone & fl. base, left high. S. of Cr. Pato impracticable
	74.00	Steps descent to
-	79.82	True cor. to sec. 1. & 2. 11. 31. 12.
		Land, broken.
		Soil: Gravelly & rocky 3rd ratio.
		Timber: scattering Cedars & Pines.
		Mountainous land 79.92 obs.

Subdivisions of T. 30 S. R. 24 W. Continued

Chains	No. 01 N. on a random line bet. sec. 1 & 2.
40.00	Set temporary N. line. Con.
83.80	Intersect N. edge of off. 3 line N. of cor. to sec. 1. 2:50 E 135. Thence I run.
	South on a true line bet. sec. 1 & 2.
	Enter scattering Cedars, Pines & Mahogany. descend 200 ft. to
9.30	Gulch, course N. W. ascend gradually.
24.80	Point of ridge. bears S. W. descend 200 ft.
39.60	Canyon, course N. W. ascend, leaves timber.
43.80	Set a trachyte 16 x 10 x 6 ins. 11 ins. in the ground for M. Sta. cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1 ft. high. N. of cor. Pts. impracticable.
60.80	Ridge. bears N. E. E. of W. enter cedar & pine.
- 83.80	Leave cor. to Secs 1, 2, 11 & 12.
	Land, broken.
	Soil: gravelly & rocky. 3' Grati.
	Timber: scattering Cedars, Pines & Mahogany.
	Mountainous land 83.80 chs.

Sept. 30 " 1897.

Oct 1 - At 8^h 10^m a.m. I set off 38° 50' N.
on the lat. arc. 3° 26' S. on the dia. arc;
and determine a true meridian with the
solar. at the Standard cor. to Secs 3 & 4 E 3.6°
as hereinbefore described

Thence I run

No. 01 N. bet. sec. 3 & 4 E 3.6°.

Ascend gradually.

Top of ridge of mountain. bears E of W.
descend steep rocky slope.

Enter aspens.

Leave aspens. descend into head of Ravine
Ravine, course N. E.

Set a trachyte 14 x 9 x 5 ins. 10 ins. in the ground
for M. Sta. cor. marked 1/4 on W. face, and raise
a mound of stone 2 ft. base, 1 ft. high. N. of
cor. Pts. impracticable.

Point of ridge. bears N. E. enter scattering cedar & pine
Gulch, course N. E.

Subdivisions of U.S.O. I. R. L. M. Land

	Chains.	
-	80.00	Set a trachyte 20x7x4 ins. 15 ins. in the ground for Cor. to secs 26-27-34 & 35, marked 1 notch on N. & 2 notches on E. edges; and raised a mound of stone 2 ft. base, 1/2 ft. high. W. of Cor. Pits impracticable. Land. High Mountain. Soil. Rocky & stony. Timber. Scattering Cedars & Pines. Mountainous land 80 chs.
		East on a random line bet. secs 26 & 35.
	40.00	Set temporary N. Sec. Cor.
	50.04	Intersect. S. E. line & the S. of cor. to secs 25-26-35-36.
		Three J. runs.
		S 89° 36' W. on a line line bet. secs 26 & 35.
		Entire scattering Cedars & Pines, decimated.
	20.00	Gulch. course N. E. ascend.
	24.00	Ridge. 50 ft. high, bears N. E. & S. W., descend.
	33.00	Gulch. course N. E. ascend.
	40.00	Set a trachyte 14x8x4 ins. 9 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1/2 ft. high. S. of Cor. Pits impracticable.
	41.00	Ridge. bears N. E. & S. W. descend.
	48.40	Gulch. course N. E. ascend.
	53.00	Ridge. bears N. E. & S. W. descend.
	57.00	Gulch. course N. E. ascend.
	62.00	Point of ridge. bears N. E. descend.
	67.50	Ravine. course N. E. Road bears N. E. & S. W.
	70.00	Ascend gradually to
-	80.04	Line cor. to secs 26-27-34 & 35. Land. broken. Soil. gravelly & rocky & stony. Timber. scattering Cedars & Pines. Mountainous land 80-04 chs.
		N. 0.01 Mr. bet. Deco 26 & 27.
		Entire scattering Cedars & Pines, decimated.
	13.00	Point of ridge. bears N. E. descend rapidly.
	20.50	Gulch. course N. E. ascend.

Subdivisions of Cambrian L. C. U. Continued.

Chains:	
32.00	Ridge, 200 ft. high, bears N. E. 30° W. descent
40.00	At a trackbed 14x10x8 ins. across in the ground. 4' 4" high. Course marked 1/4 on W. face from which
	A pine 6 ins. in diam. bears N. 71° 15' E. 21 lbs dist. marked 1/4 S. R. T.
	A pine, 8 ins. in diam. bears N. 80° W. 15 lbs dist. marked 1/4 S. R. T.
41.00	Ravine. course N. E. Thence N.
50.00	Gulch 50 ft. deep course E.
55.00	Ridge 900 ft. high course E.
64.25	Rocky ground 40 ft. high. course E.
73.00	Ridge. Bear N. 83° 15' W. descent.
79.75	Ravine. course N. E. ascend
80.00	Slopes having 20x14x10 ins. 15 ins. in the ground. For 200 ft. dist. 22-23. 26 & 27 marked 200 ft. on S. E. edges; from which
	A pine 6 ins. in diam. bears N. 71° 30' E. 16 lbs dist. marked 1/4 S. R. T. 26-27. 3. 23, 13. T.
	A cedar, 14 ins. in diam. bears S. 0° 30' E. 18 lbs dist. marked 1/4 S. R. T. 26-27. 3. 23, 13. T.
	A pine 16 ins. in diam. bears S. 59° W. 08 lbs dist. marked 1/4 S. R. T. 26-27. 3. 23, 13. T.
	A pine 18 ins. in diam. bears N. 73° 17' 36 lbs dist. marked 1/4 S. R. T. 26-27. 3. 23, 13. T.
	Land. Broken.
	Soil. Rocky & gravelly & sandy.
	Timber. Selecting Red & Pines.
	Mountainous land 80 cho.

40.00	N. 89° 56' E. on a random line bet. elev 23 & 26. sel. temporary by See Co.
80.00	Marked 1/4 N. E. This at cor. to elev 23-24. 26 & 26.
	Thence S. 33' 189° 56' W. on a true line bet. elev 23 & 26.
	Enter bottom.
11.70	East fork of Silver River 60 lbs milo. flows N.
3.60	Leans bottom. ascend.
6.00	Point of ridge 60 ft. high. Bear N. descend.
8.60	Gulch. course N. E. ascend
23.00	Ridge 1700 ft. high. Bear N. E. & 1/2 lbs descend

Subdivision of T. 30 S. R. 2 1/2 M. Continue

Chains 30.00	Ravine. Course N. ascend in scattering cedar & Ridge. bears N. E. S. W. descend.
34.00	Set a granite 12 x 10 x 8 ins. 8 ins. on the ground for 1/4 sec. cor. marked 14 on N. face; from which A pine 14 ins. on diam. bears N 60° S. E. 30° U.S. dist. marked 14. S. B. T.
40.00	A pine 15 ins. on diam. bears N 20° W. 38° U.S. dist. marked 14. S. B. T.
	Ascend
50.00	Ridge. bears N. E. S. descend
52.00	Ravine. course N. ascend
65.00	Trail. bears N. E. S. W. on ridge. bears N. E. S. descend.
73.00	Ravine. course N. E. ascend.
76.00	Point of ridge. bears N. E. descend
79.00	Ravine. course N. E. ascend to
80.08	The cor. to Seco 22. 20. 26 1/2 of land. broken.
	Soil. Gravelly & rocky. 3rd rate. Timber. Scattering Cedars & Pines. Mountainous land 80.08 chs.

Chains 80.01	N. W. bet. Secos 22. 23. 24. 25.
	Enter scattering Cedars & pines. ascend
10.00	Point of ridge. bears N. E. descend 275 ft.
22.00	Ravine. course N. E. ascend
40.00	Set a Granite 16 x 9 x 6 ins. 11 ins. on the ground for 1/4 sec. cor. marked 14 on N. face; from which A pine 9 ins. on diam. bears N 72° E. 82° U.S. dist. marked 14. S. B. T.
	A pine 14 ins. on diam. bears S 65° W. 97° U.S. dist. marked 14. S. B. T.
41.00	Top of ridge. bears E. S. W. descend gradually
49.00	Top of bluffs descend 300 ft. to
52.00	Enter bottom. least timber.
52.25	East Fork of Lewis River 50 U.S. rods 2 ft. deep. flows N.W.
57.00	Canyon road. bears N. W. S. E.
61.00	Ascend in scattering Cedars.
80.00	Set a sandstone 16 x 12 x 8 ins. 11 ins. on the ground for cor. to Seco 14. ^{1522 1/3 ft.} marked 300 tches on S.

Subdivisions of C. 30-S. R. 2d W. Continued.

	<p>Soil. rocky, 4 ft. rate. Lumber. Scattering Cedars & Pines. Mountainous land 80 chs.</p>
32.00	<p>12 patches on E. edges; and a small amount of stone 2 ft. base, 1 ft. high. N. of Cor. Pits impracticable. A Pine 14 ins. in diam. bears N 12° W. 90 ft. dis. marked T. 30 S. R. 2d W. S. 22 B.T. A pine 6 ins. in diam. bears N 12° W. 64 ft. dis. marked T. 30 S. R. 2d W. S. 15 B.T. No other living trees within limits <small>Walter Stevens found bears S 45° 15' E</small> Land. broken.</p>
40.00	<p>Soil. rocky, 4 ft. rate. Lumber. Scattering Cedars & Pines. Mountainous land 80 chs.</p>
40.01	<p>Oct. 1, at this cor. I set off 3° 56' on the side arc; 2° 12' on the side on the meridian. the resulting lat. is 38° 12'.</p>
40.02	<p>N 89° 56' E. on a random line bet. secs 14 & 23. Set temporary 14 Dec. Cor. Intersect N 9° W. line at Cor. to secs 13, 14, 23 & 24.</p>
40.03	<p>Enter scattering Cedars, ascend steep side of mountain.</p>
40.04	<p>Lip of ridge 800 ft. above Sec. Cor. bears N 89° E. second steep side hill.</p>
40.05	<p>Set a trilateration 12 x 8 x 6 ins. 80 ins. in the ground for 14 Dec. Cor. marked N 89° E. first and raising a mound of stones 2 ft. high. 1 ft. 6 in. N. of Cor. Pits in timber 10 ins.</p>
43.50	<p>Ravine. 900 ft. below top of ridge. course S. E.</p>
44.75	<p>Road. bears N 11° E. S. E.</p>
46.00	<p>Ascend.</p>
47.50	<p>Ridge. 130 ft. high. bears N 11° S. E. descend.</p>
48.25	<p>Ravine. course S. ascend to</p>
49.00	<p>Thru Cor. to secs 14, 15, 22 & 23.</p>
49.50	<p>Land. broken.</p>
50.00	<p>Soil. gravelly & rocky. 3 ft. rate.</p>
50.01	<p>Lumber. Scattering Cedars & pines.</p>
50.02	<p>Mountainous land 80 chs.</p>
50.03	<p>Oct. 1, N. bet. secs 14 & 15.</p>
50.04	<p>Enter scattering Cedars & pines. ascend</p>
50.05	<p>Cross ridge. bears N. E. & S. descend along W.</p>

Survey of T. 30. S. R. 3. 3 W. Continued.

Chains	Slope.
10.00	Set-a Granite 16 x 8 x 6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; from which A cedar 9 ins. in diam. bears N 80° W. 10 lbs. dist. marked 1/4 S. B. T.
	A pine 12 ins. in diam. bears S 70° E. 12 lbs dist. marked 1/4 S. B. T.
46.00	Spring in Cañon. 3 chs sweet.
50.00	Enter Cañon. course S. W.
56.00	Cañon road. bears N. E. and S. W. ascend
74.50	Rocky gorge 40 ft. deep. course S. W.
80.00	Set-a granite 12 x 10 x 10 ins. 8 ins. in the ground for cor. to Secs 10, 11, 14 & 15; marked 4 matches on E. & 2 notches on E. edges; from which A pine 16 ins. in diam. bears N 59° E. 52 lbs dist. marked T. 30. S. R. 3. 3 W. 5. 11. B. T.
	A pine 8 ins. in diam. bears S 21° E. 22 lbs dist. marked 1/4 S. S. 3. 2. 3. 4. 14. B. T.
	A cedar 24 ins. in diam. bears S 40° W. 61 lbs dist. marked T. 30. S. R. 3. 3 W. 6. 15. B. T.
	A pine 18 ins. in diam. bears N 10° E. 74 lbs dist. marked T. 30. S. R. 3. 3 W. 5. 10. B. T.
	Land. broken.
	Soil. Granitic & rocky, 3 rd state.
	Timber. Scattering Cedars & pines.
	Mountainous land 80 chs.
	N 89° 36' E. on a random line bet. Secs 11 & 14
40.00	Set temporary 1/4 Sec. Cor.
80.02	Intersect N 89° S. line of the N. of Cor. to Secs 11, 12, 13 & 14.
	thence I run
	West on a true line bet. Secs 11 & 14.
	Enter scattering Cedars & Pines.
0.75	Cañon. course S.
2.00	Ascend 400 ft.
12.00	Ridge. bears N 89° S. descend.
21.00	Gulch. course S. ascend
26.00	Ridge 130 ft. high. bears N 89° S. descend
31.00	Gulch. course S. ascend.
37.00	Ridge. bears N 89° S. descend along S. slopes

Subdivision of T. 30. S. R. 24th W. Continued.

- 40.01 Set-a granite 14×9×4 inos. 10 inos. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, 4 ft. high. N. of Cor. Pits impracticable.
The Cor. to Sec's 10. 11. 14 & 15.
Land. broken.
Soil. Gravelly & rocky 3rd rate.
Timber. Scattering Cedars & Pines.
Mountainous land 80.02 chains.
-
- No. 0. N. Det: Secs 10 & 11
Enter Cedars & Pines ascend
springs in Gulch. 1 ch. N.
Gulch. course S. W. ascend.
Small gulch. course S. E.
40.00 Set-a Granite 24×8×6 inos. 18 inos. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face; from which A cedar 8 inos. in diam. bears $N 20^{\circ} E.$ 16 lbs dist: marked $\frac{1}{4}$ S. B. T.
A pine 9 inos. in diam. bears $S 10^{\circ} E.$ 16 lbs dist: marked $\frac{1}{4}$ S. B. T.
53.00 Point of ridge. bears S. E. descend.
Ravine. course E. from N. W. ascend.
77.00 Ridge. bears $N W \frac{1}{2} S. E.$ descend.
80.00 Set-a granite 2.0 x 1.2 x 1.2 inos. 15 inos. in the ground for Cor. to Sec's 2. 3. 10 & 11. marked 3 notches on S. and 2 molattoes on E. edge; from which
A pine 20 inos. in diam. bears $N 37^{\circ} 15' E.$ 32 lbs dist: marked T. 30. S. R. 24 W. S. 2. B. T.
A pine 10 inos. in diam. bears $S 46^{\circ} 15' E.$ 34 lbs dist: marked T. 30. S. R. 24 W. S. 11. B. T.
A pine 10 inos. in diam. bears $S 29^{\circ} W.$ 35 lbs dist: marked T. 30. S. R. 24 W. S. 10. B. T.
A cedar 6 inos. in diam. bears $N. 64^{\circ} W.$ 20 lbs dist: marked T. 30. S. R. 24 W. S. 3. B. T.
Land. broken.
Soil. Gravelly & rocky, 3rd rate.
Timber. Cedars & Pines.
Mountainous land 80 chs.

Subdivision of T. 30. S. R. 2½ N. Continued.

Chains	East - on a random line bet. Secs 2 & 11
40.00	Set temporary $\frac{1}{4}$ Sec. Cor.
80.00	Intersect N. E. S. line at Cor. to Secs 1. 2, 11 & 12 hence I run
	West - on a true line bet. Secs 2 & 11.
14.50	Enter scattering Cedars & Pines, descend Gulch. course S. W. ascend
18.50	Ridge. 60 ft. high. bears N. E. & S. W. descend.
24.50	Gulch. course S. W. ascend.
40.00	Set - a granite 20 x 10 x 4 inns. 15 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face; from which
	A pine 20 ins. in diam. bears N. E. 35° E. 35° W. dist. marked $\frac{1}{4}$ S. B. T.
	A pine 20 ins. in diam. bears S. 89° 40' W 12 lks dist. marked $\frac{1}{4}$ S. B. T.
42.00	Ridge 200 ft. high. bears N. E. & S. W. descend.
53.00	Canyon. course S. W. ascend 250 ft. to
76.00	Ridge. bears N. E. & S. W.
80.00	The Cor. to Secs 2. 3. 10 & 11. Land. Broken. Soil. Granular. 3 rd rate. Timber. Scattering Cedars & Pines. Mountainous land. 80 chs.
	N. 0° 01' W. on a random line bet. Secs 2 & 3.
40.00	Set temporary $\frac{1}{4}$ Sec. Cor.
83.85	Intersect N. bdy. of Sp. 3 lks E. of cor. to Secs 2. 3. 4 & 5, hereinbefore described hence I run
	S. 0° 02' E. on a true line bet. Secs 2 & 3.
	Descend in scattering cedars & pines
6.85	Gulch. course S. E. ascend
20.50	Ridge. bears S. E. descend
27.00	Enter cedar & pine
35.15	Gulch. course S. ascend
43.85	Set a boulders 20 x 9 x 4 inns. 15 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. N. of Cor. Pits impracticable.
	A cedar 7 ins. in diam. bears N. 80° W. 11 lks

Subdivision of T. 30. S. R. 2d N. Continued.

dist: marked $\frac{1}{4}$. S. B. T.

No other bearing trees within limits.

55.35 Rocky point. bears E. descend E. slope to

the cor. to secs 2. 3. 10 & 11.

Land. broken.

Soil. Rocky $\frac{1}{4}$ Gravelly. $\frac{1}{4}$ rd. ratio.

Timber. Cedar & pine.

Mountainous land 83.85 chs.

October 1st 1897.

Oct. 2nd At 8th a. m. l.m. t. I set off
38° 09' on the lat. arc; 3° 49' S. on the decl.
arc; and determine a true meridian with
the solar. at the Standard Cor. to Secs 33 &
34. as hereinbefore described

thence I run

No. 02 W. bet. Secs 33 & 34.

Enter aspen & spruce. descend gradually

descend rapidly 200 ft. to

30.00 Gulch. comes N.E. leaves aspens. ascend

35.00 Point of ridge. bears N.W. from N. enter aspens & descend steep rocky hillside.

40.00 Set a trachyte 18x16x12 ins. 12 ins. in the
ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face;
and raised a mound of stone 2 ft. base,
1 $\frac{1}{2}$ ft. high. N. of cor. Pitt impracticable
No bearing trees available.

descend rapidly along N. side of canon.

45.00 Set a trachyte 18x16x12 ins. 12 ins. in the
ground for cor. to secs 27. 28. 33 & 34.
marked 1 notch on S. & 3 notches on E. edges,
from which

A fm 12 ins. in diam. bears S 32° 10' E. 52°
dist: marked T. 30. S. R. 2d N. S. 34. B. T.

A fm 10 ins. in diam. bears N 64° 30' W. 73°
dist: marked T. 30. S. R. 2d N. S. 33. B. T.

No other bearing trees within limits.

and. high mountains.

Soil. Rocky $\frac{1}{4}$ rd. ratio.

Timber. Aspen. Spruce 2 fm.

Mountainous land 80 chs

Subdivision of T. 30. S. R. 2d N. Continued.

Chains	East on a random line bet. secs 27 & 34,
40.00	Set temporary to sec. cor.
79.96	Intersect T. & S. line 9 lbs E. of cor. to secs 26. 27. 34 & 35. Thence I run
	\$89° 56' W. on a true line bet. secs 27 & 34.
	Enter scattering Cedars & pines. ascend 300 ft.
17.00	Ridge. bears NW. & S. W. descend, leave cedars.
28.00	Ascend.
35.00	Ridge. bears NW. & S. W. descend
39.98	Set a trachyte li-20 x 10 x 8 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base 1/2 ft. high N. of cor. Pits impracticable.
44.00	Gulch. course W. ascend 200 ft.
55.00	Ridge bears NW. & S. W. enter scattering pines cedars & Mahogany.
76.25	Canyon course W. ascend 150 ft. to
- 79.96	The cor. to secs 27. 28. 33 & 34. Land broken. Soil. Gravelly & rocky. 3 rd calc.
	Timber. Scattering Cedars, pines & Mahogany. Mountainous land 79.96 chs.
<hr/>	
	NW. 02' W. bet. secs 27 & 28.
	Enter scattering Cedars, pines & Mahogany. Ascend 150 ft. to
7.00	Point of ridge. bears NW. descend leave Mahogany.
9.00	Head of gulch 100 ft. deep. course NW. ascend.
21.00	Ridge. bears NW. & S. W. descend.
40.00	Set a trachyte li-18 x 16 x 10 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1/2 ft. high. N. of cor. Pits impracticable.
46.00	Head of gulch. course NW. ascend.
57.00	Ridge. bears NW. & S. W. descend along E. slope
74.60	Point of White sandstone bluff 50 ft. high 20 ft. W. of line.
- 80.00	Set a trachyte li-16 x 10 x 8 ins. 11 ins. in the ground for cor. to secs 21. 22. 24 & 28. marked 2 notches on S. and 3 notches on E. edges; from which

Subdivision of T. 30. R. 2^h. W. Continued

100.00	A cedar 18 in. in diam. bears N 37° 50' E. 14 lbs dist. marked T. 30. S. R. 2 ^h W. S. 22. B. T.
	A pine 18 in. in diam. bears S 7° E. 54 lbs dist. marked T. 30. S. R. 2 ^h W. S. 27. B. T.
	A pine 6 in. in diam. bears S 52° 10' W. 14 lbs dist. marked T. 30. S. R. 2 ^h W. S. 28. B. T.
	A cedar 24 in. in diam. bears N 82° 10' W. 34 lbs. dist. marked T. 30. S. R. 2 ^h W. S. 21. B. T.
	Land. broken. Soil. Gravelly & rocky 3 rd rate. Timber. Scattering Cedars, pines & Mahogany. Mountainous land 80 chs.
	N 89° 56' E. on a random line bet. Secs 22 & 27.
40.00	Set temporary $\frac{1}{4}$ sec. cor.
80.00	Intersect N $\frac{1}{2}$ S. line at cor. to Secs 22. 23. 26 & 27.
	Trance I run
	S 89° 56' W. on a true line bet. Secs 22 & 27.
13.00	Enter scattering cedars & pines. ascend Ridge. bears N. D. S. W. descend
18.00	Gulch. course N. ascend
21.00	Ridge. bears N $\frac{1}{2}$ S. descend.
28.00	Gulch. course N. W. ascend.
40.00	Set a trachyle 16 x 11 x 7 in. 11 in. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; from which
	A cedar 10 in. in diam. bears N 40° E. 60 lbs dist. marked $\frac{1}{4}$ S. 13. T.
	A pine 6 in. in diam. bears S. 19 lbs. dist. marked $\frac{1}{4}$ S. 13. T.
41.00	Ridge. bears N $\frac{1}{2}$ S. descend 300 ft. to
69.00	Canyon. course N. E. ascend 200 ft. to
80.00	The cor. to Secs 21. 22. 27 & 28.
	Land. broken. Soil. Gravelly & rocky, 3 rd rate. Timber. Scattering Cedars & Pines. Mountainous land 80 chs.
	Dist. 2". At this cor. I set off 3'. 54" S. on the decl. acc. of lat 32° N. L. L. observe the sun on the meridian. The resulting lat. is 38° 11' S.

Subdivision of T. 30 S. R. 28 W. Continued.

Chains.	80° 02' N. bet. sec 21 & 22. Enter Cedars & pines. des and 200 ft. to Ravine. course NW. ascend 500 ft.; Ridge. bears NW. & E. descend. Set a track to 16 x 10 x 6 ins. 11 ins. in the ground. For 1/4 mile. cor. marked 140° N. from which A pine 8 ins. in diam. bears N 60° W. 25 ft. dist. marked by 15. 13. T. A pine 10 ins. in diam. bears N 10° W. 25 ft. dist. marked 14. S. 13. T. Gulch. 1.50 the width, 60 ft. deep, course NW. E. Gulch. course NW. E. Point of ridge. bears N. E. Enter bottom 800 ft. below ridge. bears N 60° E. Set a granite 20 x 8 x 3 ins. 10 ins. in the ground. For cor. to sec 15-16-21 & 22. marked S. S. on N. E. 25 ft. on S. E. with 3 matches on E & S. edges; dig pits - 18 x 18 x 12 ins. in each des. 5 ft. high and raised a mound of earth 6 ft. high. 2 ft. high. W. of cor. N. W. cor. of log cabin bears S. 58° 10' E. 275 ft. dist. Land. broken. Soil. gravelly & rocky & slate. Timber. Cedars & pines. scattering. Mountainous land 80. Chs.
40.00	N 89° 36' E. on a random line bet. sec 15 & 22. Set temporary 1/4 sec. cor.
80.10	Intersect N. E. line at cor. to sec 14, 15, 22 & 23 Hence I run
1120	S 89° 56' W. on a line line bet. sec 15 & 22. Enter scattering Cedars & pines. ascend
6.00	Ridge. bears N & S. descend.
6.10	Road. bears N & S. ascend south end of rocky point.
14.00	descend.
32.40	Cañon road. bears NW & S. E. enter bottom have Cedars & pines. enter willows.

Subdivision of T. 30. S. R. 26 W. Continued.

38.20	East Fork of Seven River. 50 lbs wide. flows N.W.
40.05	Set-a trachyte 18x10x6 ins. 12 ins. in the ground for 1/4 sec. Cor. marked $\frac{1}{4}$ on N. face; from which A cottonwood 6 ins. in diam. bears S 28° 15' W. 36 lbs. dist: marked 1/4 S. B.T. A cottonwood 8 ins. in diam. bears S 11° 30' E 32 lbs dist: marked $\frac{1}{4}$ S. B.T.
42.00	Same river 50 lbs wide. 2 ft. deep. flows S. W.
69.00	Same river. 50 lbs. wide. 3 ft. deep. flows W.
70.53	Same river 50 lbs wide. 3 ft. deep. flows S. W.
72.00	Same river 60 lbs wide. 2 ft. deep. flows W.
74.10	Same river 50 lbs wide. 2 ft. deep. flows S.
75.32	Same river 55 lbs wide 2 ft. deep flows N.W.
80.10	The Cor. to Secs 15, 16, 21 $\frac{1}{4}$ 22. Land. broken & bottom. Soil. Rocky & gravelly. 4 $\frac{1}{2}$ $\frac{1}{2}$ ratio. Timber, scattering Cedars & pines. dense brush on $\frac{1}{2}$ 7. 70 chs. Mountainous land 32.40 chs

No: 02 W. bet. Secs 15 & 16.

Enter bottom. & dense brush.

3.60	East Fork of Seven River 50 lbs wide 1 ft. deep. flows NW. dense brush.
11.25	Road, bears E $\frac{1}{2}$ N.W.
24.00	Enter mouth of gulch. ascend in scattering cedars & pines.
37.00	Cross gulch. course S. from N.E. ascend ledges & boulders.
40.00	Set-a granite 14x9x4 ins. 8 ins. in the ground for 1/2 sec. Cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base, 1 ft. high. W. of Cor. Path impracticable.
48.00	Sandstone ledge 50 ft. high. bears E $\frac{1}{2}$ W. ascend along W. side of gulch.
60.00	Cross gulch. course S.E.
64.00	Cross gulch. ascend ledges & boulders.
80.00	Set-a Granite 15x12x8 ins. 10 ins. in the ground for Cor. to Secs 9, 10, 15 - $\frac{1}{4}$ 16. marked 4 notches on S. & 3 notches on E. edges; and

160
160

Sub-division of T. 30. S. R. 2. L. N. W. continued

chains

Raised a mound of stone 2 ft. base. 1.5 ft. high. N. of cor. Post impracticable.
Land. broken & bottom.
Soil. Gravelly & rocky $\frac{3}{4}$ to $\frac{1}{4}$ in. nat.
Timber. Scattering Cedars & pines.
Mountainous land 56.00 chs.

N $89^{\circ} 56'$ E. on a random line bet. secs 10 & 15
Set temporary $\frac{1}{4}$ sec. cor.
Intersect N E S. line 9 lks. S. of cor. to secs
10. 11. 12. $\frac{1}{4}$ 15.
Thence I run
S $89^{\circ} 52'$ W. on a true line bet. secs 10 & 15.
Enter Cedars & pines. ascend.
Descend.
Canyon. course S. Road. bears N E S. ascend
Ridge. bears N E S. descend.
Rocky gorge 60 ft. deep. course S. W. ascend.
Set a granite 14 x 12 x 8 ins. 8 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; from which
a pine 6 ins. in diam. bears N $25^{\circ} W$ 30 lks.
dist. marked $\frac{1}{4}$ S. B. T.
A pine 8 ins. in diam. bears S $60^{\circ} E$. 44 lks
dist. marked $\frac{1}{4}$ S. B. T.
Ridge. bears N. W. & S. E. descend to
the cor. to secs 9. 10. 15. & 16.
Land. broken.
Soil. Rocky & gravelly $\frac{3}{4}$ to $\frac{1}{4}$ in. nat.
Timber. Cedars & pines.
Mountainous land 80.16 chs.

No: 02' W. bet. secs 9 & 10.
Enter scattering Cedars & pines. ascend
7.00 Granite butte 75 ft. high. 1 ch. diam. bears
W. 40 lks dist.
18.00 Top of ridge. bears N. E. & S. W. ascend along
W. slope of mountain.
40.00 Set a granite 20 x 6 x 4 ins. 10 ins. in the
ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face;
from which
A pine 12 ins. in diam. bears N $6^{\circ} W$. 22 lks.

Subdivision of St. Jo. S. R. 2nd N. Continued.

	dist. marked 14.5.13. T.	
	A pine 9 ins. in diam. bears S 26° E. 47 lbs.	
	dist. marked 14.5.13. T.	
48.00	Ridge. bears N.W. & S.E. descend.	
63.00	Gulch. course S. W. ascend.	
74.00	Ridge. bears N.W. & S.E. descend.	
80.00	Gulch. course S. W. Set-a-trachyte 18x14 x9 ins. 12 ins. in the ground, far cor. to secs 3. 4. 9 & 10. marked 5 notches on S. & 3 notches on E. edges; and raised a mound of stone 2 ft. base, 1 ft. high. N. of Cor. Pile imprac- ticable.	
	Land. broken.	
	Soil. Gravelly & rocky. 3 rd sati.	
	Timber. Scattering Cedars & pines.	
	Mountainous land 80 chs.	
	N 89° 52' E. on a random line bet. secs 3 & 10.	
40.00	Set temporary 1/4 sec. Cor.	
80.20	Intersect N.Y.S. line 5 lbs S. of Cor. to secs 2. 3. 10 & 11.	
	thence I run	
	S 89° 50' W. on a line line bet. secs 3 & 10.	
	Enter scattering Cedars & pines. ascend	
10.00	Ridge. bears N.W. & S.E. descend, 150 ft.	
20.00	Gulch. course S. E. ascend	
40.10	Set-a-trachyte 18x10x6 ins. 12 ins. in the ground far 1/4 sec. Cor. marked 5 on N. face; and raised a mound of stone. 2 ft. base, 1 ft. high. N. of Cor. Pile-impracticable.	
	On ridge. bears N.W. & S.E. thence S. W. descend.	
80.00	Gulch. course S. W.	
80.20	The cor. to secs 3. 4. 9 & 10.	
	Land. broken.	
	Soil. Gravelly & rocky. 3 rd sati.	
	Timber. Scattering Cedars & pines.	
	Mountainous land 80-20 chs.	
	N 0° 02' W. on a random line bet. secs 3 & 4.	
40.00	Set temporary 1/4 sec. Cor.	
83.90	Intersect N. bdy of S.P. 5 lbs N. of Cor.	

Subdivisions of C. 30-L. F. S. M. Cont.

Chains	to Secs 3, 4, 33 & 34, as herembefore described.
thence I run	
	South bel. Secs 3 & 4
	Enter scattering Cedars 3/4 miles descend
25.00	Ridge bears N.E. 45° W.
51.00	Gulch. 400 ft. below Sec. Cor. course S.W. ascend
43.90	Set-a trachyte 15x10x9 ins. 9 ins. in the ground for 1/4 dec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1 ft. high. W. of Cor. Pts. impracticable.
	descend
46.00	Ravine. course S.W. descend along W. slope to
83.50	Gulch. course S.W.
- 83.90	The cor. to Secs 3, 4, 9 & 10. Land. broken.
	Soil. Gravelly & rocky, 3 adatas.
	Timber. Scattering Cedars 3/4 miles.
	Moutainous land. 83.90 chains.

October 2nd 1897.

Oct. 3 rd	At 8 ^h 50 ^m = A.M. from L. I set off, 38° 09' on the lat. arc, 4° 15' S. on the decl. arc; and determine a true meridian with the solar. of the Standard Co. to Secs 32 & 33. as herembefore described
thence I run	
No: 03 N. bel. secs 32 & 33.	
	Enter aspen brush. descend gradually
19.00	Ridge. bears N.W. 45° E. descend more rapid
26.50	Head of gulch. Course N. W. leaves aspen brush enter scattering Cedars 3/4 miles. ascend
40.00	Set-a trachyte 15x10x5 ins. 10 ins. in the ground. for 1/4 Sec. Cor. marked 1/4 on W. face and raised a mound of stone 2 ft. base, 1 ft. high. W. of Cor. Pts. impracticable.
	On ridge. bears N.W. 45° E. descend
73.50	Gulch. course N.W. ascend
- 80.00	Set-a trachyte 18x14x8 ins. 12 ins. in the ground. for Cor. to Secs 28, 29, 32 & 33 marked 1 notch on S. E. & 1 notch on E. edges; and raised a mound of stone 2 ft. base, 1 ft.

Subdivisions of T. 30. S. R. 2d W. Continued

Chains	High. Of. of Con. Pts. impracticable. Foul. broken. Soil. Garretly & Rocky, 1 st ratio. Timber. Scattering. Cedars & pines. dense aspen brush. 26.50 chs. Mountainous land 80. chs.
40.00	East. on a random line. Dec 25/33.
39.00	Set boundaries to sec. line.
38.00	Intersection N. E. line at Con. to Sec 27. 28. 38.754.
	Hence 3 sec.
	West. on a tree line. Dec 25/33.
	Center scattering Cedars pines & mahogany Ascent 200 ft. to
9.00	Ridge. Line N. E. 1 st . Some mahogany, dense Pines. comes to stones. Then ascend over ridges and lower boulders
18.00	Ridge. Line N. W. 3 rd . Set a tree about 18x 18 inches, 15 ins. in the ground forty sec. Con. marked to on the face; and around a round of stones = fl. base. th fl. high N. of Con. Pts. impracticable.
	descend.
15.10	Walls. occurs NW. no wood.
60.00	Ridge. Line N. W. 3 rd . descend
77.00	Ridge. Line N. W. 3 rd . descend to sec. con. to Sec 28. 29. 30. 31. 32.
	Foul. broken.
	Soil. Rocky & Garretly. 4 th ratio.
	Timber. Scattering Cedars pines & Mahogany Mountainous land 80.04 chs.
29.10	West. on a random line. Dec 25/33.
	Intersection N. E. of off. 3 lbs. of con to Sec 25. 24. 22 & 36. as above and descend thence down.
	\$89.56 Con. on a tree line. Dec 25/33.
	Center scattering Cedars & pines. ascend 100 ft. Point. of ridge. Con. NW. descend.
2.50	Bottom of gulch. comes NW. ascending gulch
9.00	

Subdivision of T. 30. S. R. 2 $\frac{1}{2}$ W. Continued.

Chains 15.00	Leave bottom of gulch, ascend to the cor. to Secs 28-29. 32 & 33. Land. broken. Soil. Granely $\frac{3}{4}$ Rocky, 3 rd rate, Timber. Scattering Cedars & pines. Mountainous land 29. 18 chs.
29.18	
2.00	No: 03' N. bet. secos 28 & 29. Enter scattering Cedars & pines. ascend ridge. bears NW $\frac{3}{4}$ S. E. descend 100 ft;
8.00	Gulch. course NW. ascend
27.00	Ridge. bears NW $\frac{3}{4}$ S. E. descend. leave timber
50.00	Set a trachyte 18x14x6 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1 ft. high. W. of Cor. Site impracticable.
54.00	Canon 700 ft. below ridge. course NW, enter scattering cedars & pines. ascend
60.80	Point of ridge 150 ft. high. bears NW, descend.
80.00	Set a trachyte 16x10x8 ins. 11 ins. in the ground for Cor. to secos 20-21. 28 & 29. marked 2 notches on S. & 4 notches on E. edges; from which A pine 12 ins. in diam. bears NW 47° E. 14 lbs dist. marked T. 30. S. R. 2 $\frac{1}{2}$ W. S. 21. B. T. A pine 14 ins. in diam. bears S 64° 30' E. 26 lbs dist. marked T. 30. S. R. 2 $\frac{1}{2}$ W. S. 28. B. T. A cedar 18 ins. in diam. bears S 65° W 24 lbs dist. marked T. 30. S. R. 2 $\frac{1}{2}$ W. S. 29. B. T. A cedar 18 ins. in diam. bears W 37° 30' W 18 lbs dist. marked T. 30. S. R. 2 $\frac{1}{2}$ W. S. 20. B. T. Land. broken. Soil. Granely $\frac{3}{4}$ Rocky. 3 rd rate. Timber. Cedars & pines. Mountainous land 80. chs.
60.00	Exact on a random line bet. Secs 21 & 28. Set temporary 1/4 Sec. Cor.
80.00	Intersect NW & S. line at Cor. to Secos 21. 22. E. & S. 28. Whence I run

Subdivisions of C. 30. S. R. 2d N. Continued

Chains	
00.00	Meet on a true line bet: Secs. 21 & 28.
10.20	Enter Cedars & pines. ascend 500 ft.
	Ridge. bears N.W. & S.E. descend gradually 300 ft. to
27.20	Top of ledge 50 ft. high. descend 300 ft. over ledges & boulders to
36.10	Canyon. course N.W. ascend 300 ft.
37.00	Point of ridge. bears N.W. descend 300 ft.
38.40	Fork of same Canyon. course N. ascend.
40.00	Set a trachy to 16+10+6 mins. 11 mins. in the ground for 16 sec. Cor. marked $\frac{1}{4}$ on N. face, from which
	A pine 20 mins. in diam. bears $80^{\circ} 30' W$ 52 ft. the dist. marked $\frac{1}{4}$ S. B. T.
	A cedar = 4 mins. in diam. bears $70^{\circ} 30' W$ 61 ft. the dist. marked $\frac{1}{4}$ S. B. T.
47.00	Point of ridge 500 ft. above Canyon. bears N. descend 300 ft.
51.10	Ramius. course N. ascend 300 ft.
56.20	Ridge. bears N. & S. descend 350 ft. to
58.00	The Cor. to Secs. 20. 21. 28 & 29.
	Land. broken.
	Soil. Rocky, 4 parts.
	Timber. Cedar & Pine.
	Mountainous land 80. chs.
	$184^{\circ} 52' W$. on a mountain side bet: Secs 20 & 29.
28.90	Entered E. side of T. and S. S. N. & S. the E. of Cor. to Secs. 20. 24. 25 & 29. destroyed marker on Bluff top belonging to Sec. 30. and marked 5 mins. S. 24. Then I saw
	$88^{\circ} 52' E.$ on a true line bet: Secs 20 & 29.
	Enter Cedars & pines. ascend.
5.00	Ridge. bears N. & S. descend 350 ft.
27.50	Canyon. Course N. E. ascend 75 ft.
28.90	The Cor. to Secs. 20. 21. 28 & 29.
	Land. broken.
	Soil. Gravelly & rocky 5 parts.
	Timber. Cedars & Pines.
	Mountainous land 28.90 chains.
	Dist. 3. 1/2: this cor. I set off 5° 17' S. on the decl. and 3° at 12° on. Com. to observe the sun on the meridian. the resulting lat. is $38^{\circ} 16' W$.

Subdivision of C. 30 S. R. 2½ N. Continued

Chains	70' 0" W. bel. dec 20 2/1/21.
	Enter Cedars & Pines descend 100 ft.
7.00	Cañon. course N. E. ascend
16.00	Point of ridge 200 ft. high bears N. E. descend
22.00	Gulch. course N. E. ascend
29.50	Point of ridge 100 ft. high bears E. descend
40.00	Set a sandstone 14 x 10 x 3 ms. 9 ms. on the ground for 1/4 sec. Cor. marked 1/4 on W. face, from which a fine 12 ms. m. diam. bear N. 29° 30' E. 23 1/2° dist. marked 1/4 S. B. T.
	A fine 12 ms. m. diam. bear N. 56° 40' W. 33 1/2° dist. marked 1/4 S. B. T.
50.80	Cañon. course N. W. ascend
66.00	Point of ridge 150 ft. high. bears N. descend
70.40	Leave timber. Enter bottom. bears E. S. W.
75.60	Ridge. bears NW 31 S. E.
80.00	Set a sandstone 24 x 16 x 10 ms. 18 ms. on the ground for Cor. to sec 16 17 20 & 21 marked 3 notches on S. 1/4 4 notches on E. edges, and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of Cor. Site impracticable.
	Land broken.
	Soil. Rocky & thale.
	Timber. Cedar & Pine.
	Mountainous land. 80. chs.

	East on a random line bel. dec 16 3/21.
40.00	Set temporary 1/4 sec. Cor.
79.86	Intersect N. E. S. line 17 chs W. of Cor. to sec 15. 16. 21. & 22.
	Then on S. line N. 84° 40' W. on a true line bel. dec 16 3/21.
	Enter bottom.
5.00	Leave bottom. ascend. Enter scattering Cedar & Pine.
19.00	Ridge. 200 ft. high. bears N. E. S. descend
22.00	Gulch. 60 ft. deep. course N. ascend
30.00	Ridge. bears N. E. S. descend 200 ft.
34.00	Enter bottom. leave timber.
39.98	Set a trachyte 15 x 14 x 10 ms. 12 ms. on the ground for 1/4 sec. Cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of Cor.

Subdivision of T. 30. S. R. 2 $\frac{1}{2}$ W. Continued.

Chains.	Pits impracticable.
46.80	East Fork of Sevier River, 40 lks wide, 2 ft. deep. flows S.W.
50.00	Canyon road. bears N.E. & S.W. leave bottom, ascend, Enter scattering Cedars & Pines.
64.50	Point of Rocky ridge, 200 ft. high, bears S. descend.
70.50	Canyon road. bears NW & S.E. enter bottom, leave timber.
77.10	East Fork of Sevier River, 50 lks wide 2 ft. deep. comes N.W.
79.96	Ltr Cor. to Secs 16, 17, 20 & 21. Land. broken & bottom. Soil. Rocky, 4 $\frac{1}{4}$ rate. Timber. Cedars & Pines. scattering. Mountainous land 37.46 chains.

28.64	N 89° 52' W. on a random line bet: Secs 17 & 20. Intersect W. bdy. of T. 30. S. R. 2 $\frac{1}{2}$ W. 10 lks S. of cor. to Secs 13, 17, 20 & 24, as previously described thence I run
	S 90° 40' E. on a true line bet: Secs 17 & 20. Ascend gradually
2.00	Enter bottom.
21.50	Road. bears N.W. & S.E.
28.69	Ltr Cor. to Secs 16, 17, 20 & 21. Land. bottom. Soil. Rocky, 4 $\frac{1}{4}$ rate. No timber.

October 3 " 1897.

Oct-4" At 7 $\frac{1}{2}$ a.m. I set off
38° 12' Now the lat. arc; 4° 35' S. on the decl
arc; and determine a true meridian with
the solar. at the cor. to Secs 16, 17, 20 & 21.
thence I run

No: 03 W. bet: Secs 16 & 17.

Enter bottom.

5.30 East Fork. Sevier River, 50 lks wide, 2 ft. deep. ^{comes N.W.}
7.50 Canyon road. bears N.W. & S.E.
11.00 Leave bottom. Enter scattering Cedars & pines
ascend.

Subdivisions of T. 30 S. R. 24 W. Continued

Chains 19.00	Lop. of rocky point 130 ft. high. bears N. E. ascend Head of gulch course N. E. ascend valley side hill.
35.00	Set a red sandstone 18x10x8 ins. 12 ins. on the ground for 1/4 sec. Con marked 14 on N. face, and raised a mound of stone 2 ft. base, 10 ft. high. It high. It is impracticable.
50.00	Lop. of ridge about 500 ft. above bottom bears E. N. E. descend about 400 ft.
65.00	Set a limestone 16x12x8 ins. 11 ins. on the ground for Con to Secs. 8, 9, 16, 17, marked 4 notches on S. & E. edges, from which
80.00	A pine 16 ins. in diam. bears N. S. E. 70 lbs. dist., marked T. 30. S. R. 24. W. S. 4. B. T.
	A pine 8 ins. in diam. bears S. E. 20 lbs. dist., marked T. 30. S. R. 24. W. S. 16. B. T.
	A pine 6 ins. in diam. bears S. E. 40 lbs. dist., marked T. 30. S. R. 24. W. S. 17. B. T.
	A pine 10 ins. in diam. bears N. E. 30 lbs. dist., marked T. 30. S. R. 24. W. S. 8. B. T.
	Land broken.
	Soil. Rocky & brittle.
	Timber. Scattering Cedars & pines.
	Mountainous land, 80 chains.
40.00	S. E. 40° E. on a random line bet. Secs. 9 & 16. Set temporarily by sec. Con.
50.10	Intersect N. E. S. line 23 lbs. of Con to Secs. 9, 10, 15 & 16.
	Then came a run.
	N. S. E. 50° N. on a true line bet. Secs. 9 & 16.
	Precipice ledges & boulders on scattering cedar & pines.
5.00	Head of gulch course N. E. ascend ledges & loose Boulders.
16.00	Lop. of ridge bears N. E. 30 lbs. descend steep hillside.
40.05	Set a limestone 16x12x8 ins. 11 ins. on the ground for 1/4 sec. Con marked 14 on N. face, and raised a mound of stone 2 ft. base, 10 ft. high. It is of Con It is impracticable.

Subdivision of U.S. 30 & P. 3 & N. Continued

Chains 41.50	Canon 600 ft. below top of ridge, course S.W. ascend.
43.00	Point of ridge 80 ft. high. Bear S.W. descend.
45.00	Gulch course N. ascend 500 ft. to
47.00	Top of ridge. Bear N.E. descend 300 ft.
49.00	Gulch course N. ascend to
50.10	The cor. to Secs 8, 9, 16 & 17. Land broken.
	Soil. Rocky, 4' talus.
	Timber. Scattering cedar & pines.
	Mountainous land 80:10 chains.
27.00	N 89° 40' W. on a random line bet. Secs 8 & 17. Interest. E. side of U.S. 30 S. R. 5. 77. 4. Off N. of the cor. to Secs 8, 12, 13 & 17 destroyed marks on bearing rec pertaining to Sec. 7. and marked down 5.8. Hence I ran S 89° 45' E. on a true line bet. Secs 8 & 17.
	Ascend on scattering cedar & pines.
10.00	Point of ridge. Bear N. descend.
13.50	Gulch course NW, ascend.
26.00	Point of ridge. Bear N. descend to
27.00	The cor. to Secs 8, 9, 16 & 17. Land broken.
	Soil. Gravelly & rocky 5' talus.
	Timber. Scattering cedar & pines.
	Mountainous land 27.00 chains.
2.00	N 03° W. bet. Secs 8 & 17.
	Enter scattering cedar & pines. descend 100 ft.
8.50	Bottom of Gulch. course NW, ascend.
17.40	Point of ridge. Bear NW. descend 200 ft.
33.00	Canon. course W. road. bear E. E. W. ascend.
38.80	Point of ridge. 300 ft. high falls W. descend.
40.00	Canon. course S. W. road. Bear N.E. 3/4 N. W.
	Set a limestone 16 x 14 x 10 ins. 11 ins. in the ground for 1/4 sec. on marked N. end. M. face, from which A cedar 24 ins. in diam. bears S 16° W. 21 deg dist. marked N. S. 13.7.
	A cedar 20 ins. in diam. bears N 51° W. 28 deg dist. marked N. S. 13.7.
	Ascend.

Subdivision of T. 30 S. R. 24 W. On

Chains 52.50	Ridge. 500 ft. high. bears N. E. M. descends.
56.00	Gulch. course S. E. ascend.
65.50	Ridge. bears N. E. S. W. descend.
80.00	Set a Limestone 18x16x12 in. 12 min. on the ground for cor. to Secs. 4, 5, 8 & 9 marked 5 mds. and 4 notches on E. edges from which A cedar 12 min. in diam. bears N. 80° E. 45° N. the dist. marked T. 30. S. R. 24 W. 5. 4. B. T.
	A cedar 24 min. in diam. bears S. 70° E. 85° N. dist. marked T. 30. 5 R. 24 W. 5. 9. B. T.
	A pine 10 min. in diam. bears S. 61° E. 30° N. 1. 0. 4. B. T. dist. marked T. 30. S. R. 24 W. 8. 8. B. T.
	A pine 12 min. in diam. bears N. 67° E. 30° N. 5. 4. B. T. dist. marked T. 30. S. R. 24 W. 5. 5. B. T.
	Land. broken.
	Soil. Gravelly & rocky. 3 mds.
	Timber. Scattered Cedars & Pines.
	Mountainous land. 80 chs.

	S. 89° 50' E. on a random line bet. Secs. 4 & 9.
40.00	Set temporary N. Sec. Cor.
79.48	Intersect N. 81° line 14 chs. S. of cor. to sec. 3. 4. 9. E. 10.
	Then on J. line
	N. 85° 56' W. on a true line bet. Secs. 4 & 9.
	Enter gathering Cedars & pines, descend gradually over S. slope.
27.50	Canyon. course S. W. Road. bears N. 8° E. N. ascend.
57.41	Set a sandstone 16x14x10 min. 11.000 min. Th. ground rocky. Cor. marked 4 on N. face, and raised a mound of stone 2 ft. base 16 ft. high. S. of Cor. Site impracticable.
44.50	Ridge. 250 ft. high. bears N. E. S. descend.
53.00	Gulch. course S. W. Then S. ascend.
61.50	Ridge. bears N. E. S. descend 200 ft. to the Cor. to Secs. 4, 5, 8 & 9.
	Land. broken.
	Soil. Gravelly & rocky 3 mds.
	Timber. Scattered Cedars & pines.
	Mountainous land 79.48 chs.

Subdivisions of U.S. 30. S. P. & W. Continue

	Cham.	
18.84		W. 89° 16' N. on a random line bet. Secs 5 & 8. Intersect. E. bdy. of U.S. 30. S. P. & W. 1.3 miles N. of Cor. to Secs 1, 5, 8 & 12, destroyed. Marks on bearing trees pertaining to Secs 6 & 7, and marked same for Secs 5 & 8. Hence I run
		East on a true line bet. Secs 5 & 8. Entire scattering cedar & pine. descent about 150 ft. to
5.80		Canyon, course S. W. ascend 80 ft. to
18.00		Ridge, 600 ft. high. Bear W. 87° S. N. descend.
25.84		Ravine, course S. W. ascend 80 ft. to
28.84		The cor. to Secs 1, 5, 8 & 12. Land. Broken. Soil. gravelly & rocky & sandy. Timber. scattering Cedars & pines. Boulders. small 2 to 8 in. dia.
		Sec 5 N. on a random line bet. Secs 4 & 15. alt. 100 ft. above the cor. to
40.00		Scatters N. bdy. of U.S. 30 at cor. to Secs 4, 5, 6 & 15.
		Hence I run
53.60		S. 0° 0' E. on a true line bet. Secs 4 & 15. Entire scattering cedar & pine. descent 200 ft. to
9.60		Canyon, course S. W. about 18 chs. then N. ascend.
48.60		Set a small tower 18 ft. x 10 min. x 12 min. in the ground for 1/4 sec. Cor. marked by on W. face, and raised a mound of stones 2 ft. bearing N. of Cor. Pillar indeterminable.
59.50		Ridge, 600 ft. high. Bear W. 87° S. N. descend.
82.80		Ravine, course S. W. ascend 100 ft. to
83.60		The cor. to Secs 1, 5, 8 & 12. Land. broken.
		Soil. gravelly & rocky, 3-4 inches. Timber. scattering Cedars & pines.

Subdivisions of U. S. S. Rich N. Cont.

MOUNTAINOUS LAND 845.60 acrs

October 4 1897.

General Description

The land in this township is all mountainous, covered with scattering Cedars & pines, almost totally unfit for agricultural purposes, and very poor for grazing except in the canons and along the East Fork of Seven River which flows North westerly through the township.

There is no mineral found in the township. Wallie Gleaves has a good house & corral in the S.E. of sec. 23. also several acres under fence and in cultivation along the river bottom in sec. 23.

There is an empty cabin and some land under cultivation in the N.W. of sec. 22. but we could not find the claimant.

There is also a cabin and land under fence in the E. of sec. 25. but we were unable to find the claimant.

John T. Breckon
Hoover M. Party
U. S. Surveyors.

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Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by _____
_____, United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, *Chairman.*
_____, *Chairman.*
_____, *Moundman.*
_____, *Moundman.*
_____, *Axman.*
_____, *Axman.*
_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____
_____, United States Deputy Surveyor, in surveying all
those parts or portions of the _____

_____ of the _____ base
and _____ meridian, _____ of _____, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for _____

_____, *Chairman.*
_____, *Chairman.*
_____, *Moundman.*
_____, *Moundman.*
_____, *Axman.*
_____, *Axman.*
_____, *Flagman.*

Subscribed and sworn to before me this _____
day of _____, 189 }
{

OOOOOO
O SEAL O
OOOOOO

Final Oath of United States Deputy Surveyor.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

of the _____ base and _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me this }
day of _____, 189_____ }

cccccc
SILVER
cccccc

APPROVAL.

Office of the United States Surveyor General,

Philadelphia, March 13, 1899

The foregoing field notes of the survey of *300 N 25 E West of the Salt Lake Road & Grindel's* *Land divisions of Township*

executed by *John H. Bassett & Homer D. Bailey*
under his contract No. *208*, dated *October 28th, 1896*, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Geo. W. Blais
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.